

| Functional Requirements for a Data Repository                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------|---------------------------------------------------------------------------------------------------|--|---------|---------------|---------------|-------------------|-----|-----------|-------------|---------------------------------------------------------------------------------------------|----------------------------------------------------|-----------|------------------------|----------------------------------------------------------------------------------------------|-----|-----------|-------------|-------------------------------------------|-----|----------|-------------|---------------------------------------------------------------------------------------------------|-----|----------|---------|----------------------------------------------------------------|-----|-----------|-------------|-------------------------------------------------|-----|-----------|-------------|----------------------------------------------------|-----|------------|-------------|----------------------------------|-----|-----------|-------------|------------------------------------------------------------------------------|-----|----------|-------------|----------------------------------|-----|----------|--------|--------------------------------|
| Purpose: Define Requirements for a Research Data Management System, including mapping by Stakeholder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| Programme                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| Document Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| Release Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| <div>Document Controls</div> <div>Version History</div> <table border="1"> <thead> <tr> <th>Version</th> <th>Version Date</th> <th>Author</th> <th>Reason For Change</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>1/22/2013</td> <td>R Proudfoot</td> <td>Revised from previous format / to MoSCoW format after WP5 meeting discussion, 18th Jan 2013</td> </tr> <tr> <td>0.2</td> <td>1/30/2013</td> <td>R Proudfoot, B Philips</td> <td>Categories non-tech stakeholder, reviewed by R Proudfoot, B Philips, G Blyth and B Middleton</td> </tr> <tr> <td>0.3</td> <td>2/13/2013</td> <td>R Proudfoot</td> <td>Rewording repository manager requirements</td> </tr> <tr> <td>0.4</td> <td>3/6/2013</td> <td>R Proudfoot</td> <td>Detailed headings replaced with broader headings. Reworded and categorised non-tech requirements.</td> </tr> <tr> <td>0.5</td> <td>3/7/2013</td> <td>T Banks</td> <td>Added specific criteria for IT requirements under new headings</td> </tr> <tr> <td>0.6</td> <td>3/19/2013</td> <td>R Proudfoot</td> <td>Amendments resulting from WP5 meeting, 15/03/13</td> </tr> <tr> <td>0.7</td> <td>3/19/2013</td> <td>B Middleton</td> <td>BM amendments resulting from WP5 meeting, 15/03/13</td> </tr> <tr> <td>0.8</td> <td>20/03.2013</td> <td>R Proudfoot</td> <td>Method and Stakeholder tab added</td> </tr> <tr> <td>0.9</td> <td>3/22/2013</td> <td>B Middleton</td> <td>a version which addresses some of the the outstanding notes/queries (in red)</td> </tr> <tr> <td>1.0</td> <td>4/9/2013</td> <td>R Proudfoot</td> <td>Draft version on web for comment</td> </tr> <tr> <td>1.1</td> <td>5/2/2013</td> <td>WP5 WG</td> <td>MoSCoW review, minor rewording</td> </tr> </tbody> </table> |               |                        |                                                                                                   |  | Version | Version Date  | Author        | Reason For Change | 0.1 | 1/22/2013 | R Proudfoot | Revised from previous format / to MoSCoW format after WP5 meeting discussion, 18th Jan 2013 | 0.2                                                | 1/30/2013 | R Proudfoot, B Philips | Categories non-tech stakeholder, reviewed by R Proudfoot, B Philips, G Blyth and B Middleton | 0.3 | 2/13/2013 | R Proudfoot | Rewording repository manager requirements | 0.4 | 3/6/2013 | R Proudfoot | Detailed headings replaced with broader headings. Reworded and categorised non-tech requirements. | 0.5 | 3/7/2013 | T Banks | Added specific criteria for IT requirements under new headings | 0.6 | 3/19/2013 | R Proudfoot | Amendments resulting from WP5 meeting, 15/03/13 | 0.7 | 3/19/2013 | B Middleton | BM amendments resulting from WP5 meeting, 15/03/13 | 0.8 | 20/03.2013 | R Proudfoot | Method and Stakeholder tab added | 0.9 | 3/22/2013 | B Middleton | a version which addresses some of the the outstanding notes/queries (in red) | 1.0 | 4/9/2013 | R Proudfoot | Draft version on web for comment | 1.1 | 5/2/2013 | WP5 WG | MoSCoW review, minor rewording |
| Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Version Date  | Author                 | Reason For Change                                                                                 |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1/22/2013     | R Proudfoot            | Revised from previous format / to MoSCoW format after WP5 meeting discussion, 18th Jan 2013       |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1/30/2013     | R Proudfoot, B Philips | Categories non-tech stakeholder, reviewed by R Proudfoot, B Philips, G Blyth and B Middleton      |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 0.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2/13/2013     | R Proudfoot            | Rewording repository manager requirements                                                         |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 0.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3/6/2013      | R Proudfoot            | Detailed headings replaced with broader headings. Reworded and categorised non-tech requirements. |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3/7/2013      | T Banks                | Added specific criteria for IT requirements under new headings                                    |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 0.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3/19/2013     | R Proudfoot            | Amendments resulting from WP5 meeting, 15/03/13                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 0.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3/19/2013     | B Middleton            | BM amendments resulting from WP5 meeting, 15/03/13                                                |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 0.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 20/03.2013    | R Proudfoot            | Method and Stakeholder tab added                                                                  |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 0.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3/22/2013     | B Middleton            | a version which addresses some of the the outstanding notes/queries (in red)                      |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4/9/2013      | R Proudfoot            | Draft version on web for comment                                                                  |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5/2/2013      | WP5 WG                 | MoSCoW review, minor rewording                                                                    |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| <div>Quality Reviews</div> <table border="1"> <thead> <tr> <th>Version</th> <th>Review Date</th> <th>Reviewed By</th> <th>Role</th> <th></th> </tr> </thead> <tbody> <tr> <td>1.0</td> <td>5/2/2013</td> <td>WP5 Working Group</td> <td>RoaDMAp Working Group on repositories and metadata</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                        |                                                                                                   |  | Version | Review Date   | Reviewed By   | Role              |     | 1.0       | 5/2/2013    | WP5 Working Group                                                                           | RoaDMAp Working Group on repositories and metadata |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Review Date   | Reviewed By            | Role                                                                                              |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5/2/2013      | WP5 Working Group      | RoaDMAp Working Group on repositories and metadata                                                |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| <div>Approval / Sign Off</div> <table border="1"> <thead> <tr> <th>Version</th> <th>Sign Off Date</th> <th>Signed Off By</th> <th>Role</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                        |                                                                                                   |  | Version | Sign Off Date | Signed Off By | Role              |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
| Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sign Off Date | Signed Off By          | Role                                                                                              |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                        |                                                                                                   |  |         |               |               |                   |     |           |             |                                                                                             |                                                    |           |                        |                                                                                              |     |           |             |                                           |     |          |             |                                                                                                   |     |          |         |                                                                |     |           |             |                                                 |     |           |             |                                                    |     |            |             |                                  |     |           |             |                                                                              |     |          |             |                                  |     |          |        |                                |