

**ALIGNED**  
**Aligned, Quality-centric, Software and Data Engineering**  
**H2020 – 644055**

**D7.1 - Continuously Updated Project Website**

<b>Project Number:</b>	644055
<b>Project Title:</b>	ALIGNED
<b>Document Type: (Deliverable/Internal):</b>	Deliverable
<b>Deliverable Number:</b>	D7.1
<b>Deliverable Type (R/DEM/DEC/OTHER):</b>	DEC: Websites, patents filing, press & media actions, videos, etc.;
<b>Workpackages Contributing:</b>	WP7
<b>Dissemination Level (PU/CO):</b>	PU - Public
<b>Contractual Delivery Date:</b>	February 2015
<b>Actual Delivery Date:</b>	February 2015
<b>Version:</b>	1.01
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**Abstract:**

This report gives an overview of the ALIGNED project public website ([www.aligned-project.eu](http://www.aligned-project.eu)) and internal website / collaboration support infrastructure.

**Keyword List:**

Project management, Dissemination

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Trinity College Dublin  
The University of Oxford  
Universitaet Leipzig  
Semantic Web Company GmbH  
Wolters Kluwer Deutschland GmbH  
Uniwersytet im. Adama Mickiewicza w Poznaniu

## Executive Summary

This report gives an overview of the ALIGNED project public website and internal website and collaboration support. The public site ([www.aligned-project.eu](http://www.aligned-project.eu)) is designed to present the work of the ALIGNED project to the general public, the scientific community, and industry. It is based on the Wordpress platform. The internal site and collaboration support is designed to allow project members to communicate and collaborate effectively and access shared knowledge and resources. It is currently based on the Mediawiki platform, mailing lists and Google calendars. Our collaboration infrastructure will be evaluated and upgraded as necessary during the lifetime of the project.

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## ALIGNED Public Website

Home News About Us Partners Publications Training Dissemination Contact

**ALIGNED**  
Software and Data Engineering

European Union Horizon 2020 Project No. 644055

The ALIGNED quality-centric, software and data engineering project is a research project funded by Horizon 2020. ALIGNED will develop new ways to build and maintain IT systems that use big data on the web. ALIGNED brings together world class computer science researchers (Trinity College Dublin, University of Oxford, University of Leipzig), software companies specialised in data-intensive systems (Semantic Web Company), information companies (Wolters Kluwer) and academic curators of the Seshat: Global History Databank, large datasets describing world history and archaeology (University of Oxford, Adam Mickiewicz University in Poznań). Together they will create more efficient methods of building IT systems that extract, process, publish and share web data.

ALIGNED will lay the foundations for the next generation of big data systems that lower costs and deal with the web data challenges of dynamism, complexity, scale and inconsistency. ALIGNED is coordinated by the School of Computer Science and Statistics at Trinity College Dublin and is an associated project of the Science Foundation Ireland ADAPT research centre.

**Partners**

Trinity College Dublin  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin

UNIVERSITY OF OXFORD

UNIVERSITÄT LEIPZIG

Wolters Kluwer

SEMANTIC WEB COMPANY  
linking data to knowledge

Latest News

**ALIGNED Kick-off Meeting**

Over three days in February, members of the ALIGNED team from the six partner organisations met to formally start work on the ALIGNED project. [Continue reading →](#)

**DBpedia Community Meeting – ALIGNED Presentation**

Dr Rob Brennan presented a talk entitled “ALIGNED – Combining Data and Software Engineering on the Web” at the 3rd DBpedia Community Meeting. [Continue reading →](#)

**DBpedia Community Meeting Report**

The 3rd DBpedia Community Meeting was held on Monday in Trinity College Dublin’s Long Room Hub. [Continue reading →](#)

More news

Partner Access

**Figure 1: ALIGNED public website front page**

The ALIGNED project website is online at <http://www.aligned-project.eu>. It is the public-facing component of the ALIGNED web presence. It is intended to provide a means to communicate with the general public, the scientific community, and industry about the activities of the ALIGNED project. It went live officially on 26 February 2015. The public website is built on the Wordpress platform.

## Navigational Structure

The ALIGNED web site is structured as follows:

- Home
- News
- About Us
- Partners
  - Aligned Team
- Publications

- Training
  - Training Signup
- Dissemination
  - News
  - Press Releases
  - Events
  - Collaborations
  - Publications
  - Standardisation Activities
  - ALIGNED Training
- Contact
- Legal Information
- Partner Access

In addition, the three most recent news items are displayed in a sidebar on the right-hand side of the page. The website will be continuously updated throughout the project as news and further work become available.

## News/Continuous Updates

The ALIGNED project website has already begun to generate news items. Between 01 February 2015 and 26 February 2015, five news items were produced for the site. Project news will continue to be updated throughout the life of the project. The following image shows the news posts generated to date.

ALIGNED Kick-off Meeting	aligned_admin	News	—	0	2015/02/24 Published
DBpedia Community Meeting - ALIGNED Presentation	aligned_admin	News	—	0	2015/02/19 Published
DBpedia Community Meeting Report	aligned_admin	News	—	0	2015/02/10 Published
DBpedia Community Meeting 2015	aligned_admin	Collaborations, Events	—	0	2015/02/04 Published
ALIGNED Launches!	aligned_admin	News	—	0	2015/02/02 Published

Figure 2: ALIGNED news posts

## Social Media

The ALIGNED project has as a starting point a social media presence on Twitter and Facebook. New social media channels will be included as the project progresses. These will be used to inform and communicate with the general public, the scientific community, and industry.

## Bibliography

The production and dissemination of scientific data and industry-relevant results to the widest possible audience is a key goal of the ALIGNED project. In order to facilitate this aim, publications, datasets, vocabularies and ontologies, and use case outcomes will be updated regularly on the website. In addition, they will be collected on bibsonomy.org (for publications) and datahub.io (for datasets).

## Dashboard and Statistics

In order to measure the success of the website in informing the general public, the scientific community, and industry about the ALIGNED project, statistical tracking was added to the site. This will allow detailed monitoring of traffic to the site.

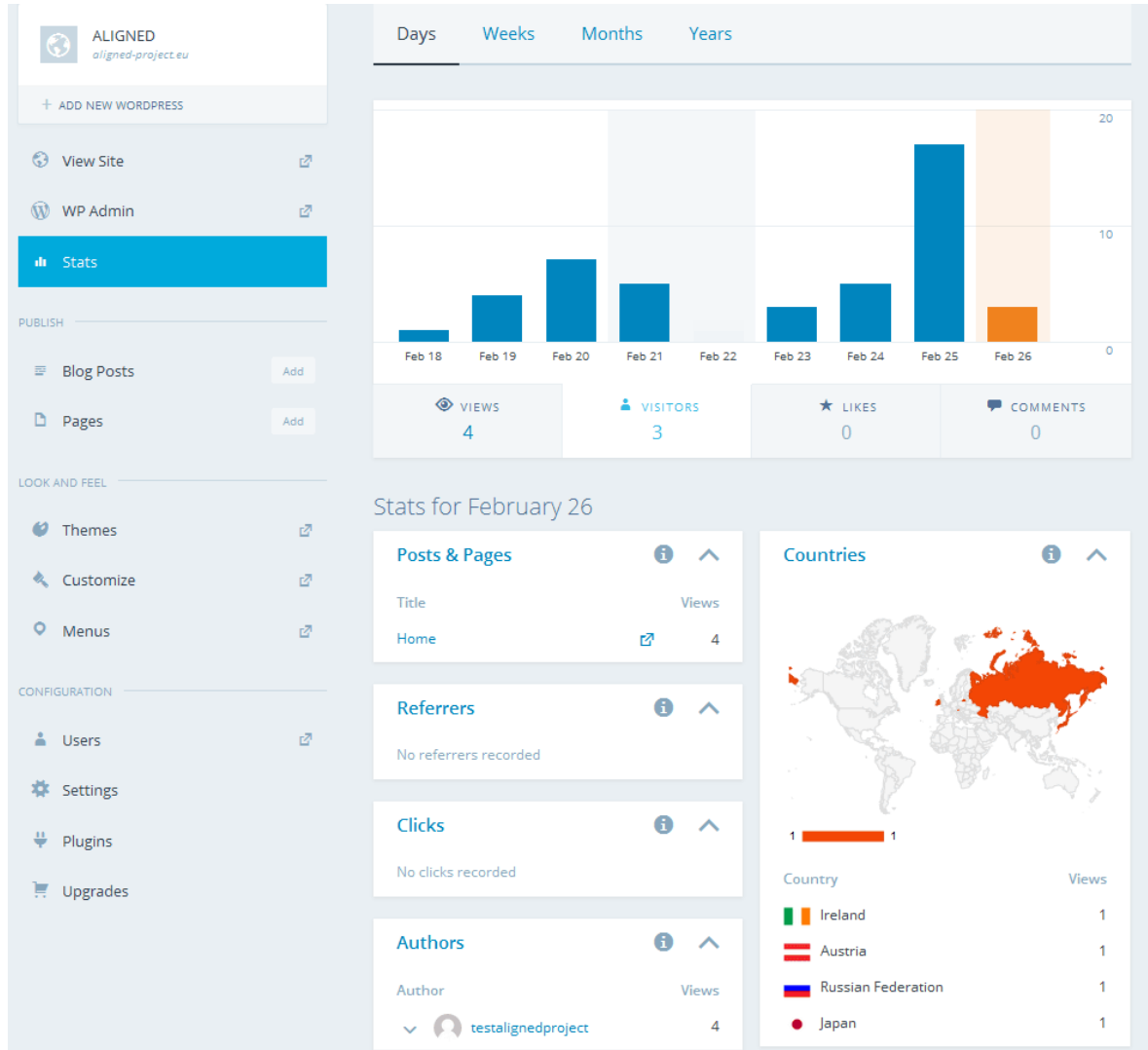


Figure 3: ALIGNED website statistics, February 16 – February 26 2015

## ALIGNED Internal Website and Collaboration Support

The ALIGNED internal website is intended to provide support project members. It provides a way of accessing and storing project information from a single central location. It includes the Project Handbook, a document repository, and outline planning for the project. The internal site is password protected, in order to protect potentially confidential documentation from the partners. The internal website is built on the Mediawiki platform.

### Project Handbook

The ALIGNED project handbook acts as a central repository of project process knowledge for the entire consortium. It extracts agreed project management processes from the proposal, description of work and consortium agreement and makes them available to all staff in a

central location in an easy to digest form. It will be updated and enhanced during the project lifetime to reflect agreed changes to project policies or procedures and a deeper understanding of project requirements. It also contains important reference information such as document templates, the project personnel contact list and a description of project mailing lists.

The project handbook is structured as follows:

1. Staff Contact List
2. Project Calendar
3. Mailing Lists
  - 3.1. aligned-all@scss.tcd.ie
  - 3.2. aligned-ip@scss.tcd.ie
  - 3.3. aligned-mgt@scss.tcd.ie
  - 3.4. aligned-info@scss.tcd.ie / info@aligned-project.eu
4. ALIGNED Branding
  - 4.1. Mandatory European Commission attribution and disclaimer
5. Processes
6. Project Structure
  - 6.1. Partners and Partner Contacts
  - 6.2. Workpackage Structure
  - 6.3. Project Management Structure
    - 6.3.1. Advisory Committee/External Expert Advisory Board
7. Deliverables
  - 7.1. Deliverable List
  - 7.2. Deliverable Production Process
8. File and Document Procedures
  - 8.1. ALIGNED Document Repository
  - 8.2. File Formats
  - 8.3. File Templates
9. Source Code and Demonstrator Procedures
10. Data Procedures
11. IP Management
  - 11.1. General Principles
  - 11.2. IP Processes
  - 11.3. Background IP Declared by Partners
12. Useful H2020 Resources

## Document Repository

The document repository is a subsection of the internal site which provides a central archive for project documentation. It has sections for deliverables, meeting minutes, publications, presentations, press releases, and progress reporting.

## Planning

The internal site provides a space for partners to perform planning in order to fulfil deliverables. There are work-package, partner, task-based, phase-based, and deliverable views of the project. Each deliverable has its own section which deliverable editors can use as a central location for relevant information and collaborative planning.

## Welcome to the ALIGNED project wiki [\[edit\]](#)

We will use this resource as our internal repository for project information.

This site includes:

- The [ALIGNED Project Handbook](#) - a description of all ALIGNED processes, contact information and reference information.
- The [ALIGNED Document Repository](#) - for storing meeting minutes, publications, press releases, training material, reporting information.
- The Annotated [ALIGNED Workpackages](#) and [Deliverable Descriptions](#) - a living document that represents our current knowledge of the project the contract.

## Work-package Views of ALIGNED [\[edit\]](#)

Work Package	Lead Partner	Workpackage Leader
1 - Management	<a href="#">Trinity College Dublin</a>	Rob Brennan
2 - Meta-model Requirements and Design	<a href="#">Semantic Web Company</a>	Andreas Koller
3 - Semantics Driven Software Engineering	<a href="#">Oxford Software Engineering</a>	Jim Davies
4 - Data Quality Engineering	<a href="#">University of Leipzig</a>	Sebastian Hellmann
5 - Processes and Integration	<a href="#">Trinity College Dublin</a>	Kevin Feeney
6 - Validation	<a href="#">Oxford Anthropology</a>	Pieter Francois
7 - Dissemination and Exploitation	<a href="#">Wolters Kluwer, Germany</a>	Christian Dirschl

## Partner Views of ALIGNED [\[edit\]](#)

Partner	Project Contact
<a href="#">Trinity College Dublin, Ireland</a>	Rob Brennan
<a href="#">Semantic Web Company, Austria</a>	Andreas Koller
<a href="#">Oxford Software Engineering, UK</a>	Jim Davies
<a href="#">University of Leipzig, Germany</a>	Sebastian Hellmann
<a href="#">Oxford Anthropology</a>	Pieter Francois
<a href="#">Wolters Kluwer, Germany</a>	Christian Dirschl
<a href="#">Adam Mickiewicz University, Poznań, Poland</a>	Arkadiusz Marciniak

## Task-based View of ALIGNED [\[edit\]](#)

**Figure 4: ALIGNED internal site – front page**

The workpackage and partner-views of the project reinforce the project structures and allow for easy navigation to all relevant information (stored as wiki categories) from the most important perspectives – workpackages and partners. This allows a workpackage leader or partner to access all relevant project material easily.



Deliverable View of ALIGNED [\[edit\]](#)

M	Date	WP1 (TCD)	WP2 (SWC)	WP3 (OxSE)	WP4 (UL)	WP5 (TCD)	WP6 (OxAP)	WP7 (WKD)
1	February 2015							D7.1 Continuously updated project website (TCD)
4	May 2015		D2.1 Use Cases and Requirements (SWC)				D6.1 Evaluation and validation methodology handbook (OxAP)	D7.2 Data management Plan (UL)
6	July 2015		D2.2 Meta-model (TCD)				D6.2 Baseline productivity studies (OxAP), D6.x Quality Assurance Project Review (WKD)	D7.4 Dissemination plan (WKD)
9	October 2015			D3.1 Seshat Demonstrator (OxSE)	D4.1 Jurion Demonstrator, (WKD) D4.2 Data Quality Framework Specification (UL)		D5.1 PoolParty Demonstrator (SWC)	
10	November 2015						D6.3 Evaluation Report on Initial Prototypes (OxAP)	
11	December 2015		D2.1 V2 (SWC), D2.2 V2 (TCD)				D6.4 Internal Evaluation Report (WKD)	
12	January 2016		D2.3 ALIGNED Methods Specification (OxSE)				D5.2 Unified Governance Tools (SWC)	D7.5 Dissemination Report (UL), D7.8 Exploitation plan (SWC), D7.2 V2 (UL)
							D5.3 Expert	

Figure 5: Deliverable view of ALIGNED

The time and deliverable-based view of the project shows all project deliverables, streamed by workpackage, in a month-by-month breakdown to aid with planning of project meetings and ongoing work. An internal Google calendar shared with all project members contains this information as well as all project meetings.


The screenshot displays the 'Work Package' view for 'WP2' on the ALIGNED project website. The page includes a navigation menu on the left with links like 'Main page', 'Recent changes', and 'Tools'. The main content area shows the following details:

- Category:** WP2
- Work Package:** 2
- Title:** Meta-model Requirements and Design
- Lead:** SWC (23 PM)
- Involved Partners:** TCD (18PM), Oxford (23.94), UL (12), WKD (12), AMU (5)
- Objectives:** This workpackage will develop the ALIGNED meta-models for combined software and data engineering and an associated methodology (project objectives O1, O4). This is broken down into four workpackage objectives:
  - Analyse the use cases to establish requirements for meta-models, methods and tools.
  - Design a generic meta-model for data intensive system specification.
  - Design domain specific meta-models for data acquisition, aggregation, access, and management.
  - Specify methods for using the meta-models and tools as part of a software and data engineering process.
- Role of partners:** OxAP, AMU will participate in this WP as use case and requirements providers. SWC will define a use case and bring its Linked Data expertise to bear on vocabulary development and assist with inter-process communication. UL will bring in DBpedia use case requirements and help with semantic modelling. WKD will bring use case requirements from its software and data development teams. TCD will lead the vocabulary development. OxSE will lead the process modelling and assist with vocabulary definition.1)
- Pages in category "WP2":** The following 4 pages are in this category, out of 4 total.
  - D2.1 Use Cases and Requirements
  - D2.2 Meta-model
  - D2.3 ALIGNED Methods Specification
  - D2.4 Final Methodology Report

At the bottom, it shows 'Categories: SWC | WorkPackage'.

Figure 6: Workpackage view

This is an example of a workpackage view. It contains the official information on each workpackage in terms of person-month commitments and links to the relevant deliverables.


Page [Discussion](#)
[Read](#) [Edit](#) [View history](#)

## D2.2 Meta-model

WP	Deliv.	Task	Lead	Editor	Partners	Type	Privacy	Due	V2	V3	Reviewer	Status
2	2.2	2.2	TCD	Rob Brennan	OxSE, UL, SWC	Report	Public	July 2015	December 2015	January 2017	C.Dirschl	none

**Contents** [\[hide\]](#)

- 1 Text from Proposal
  - 1.1 Deliverable Description
  - 1.2 Related Task: Task 2.2 Meta-model Vocabulary Design
  - 1.3 Relevant Sections of the Proposal
    - 1.3.1 Section 1.1.1
    - 1.3.2 Section 1.2.2 Scope
    - 1.3.3 Section 1.3
    - 1.3.4 Section 1.3.1.1 ALIGNED Meta-models
    - 1.3.5 Section 2.1
    - 1.3.6 Section 3.3
- 2 Delivery plans
  - 2.1 What it consists of
  - 2.2 Deadline
    - 2.2.1 People Involved
    - 2.2.2 Inputs
    - 2.2.3 What the deliverable will consist of
    - 2.2.4 What we need to do
    - 2.2.5 Timeline
    - 2.2.6 Tasks

**Text from Proposal** [\[edit\]](#)

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**Deliverable Description** [\[edit\]](#)

This document will define the ALIGNED meta-model for software and data engineering in terms of RDF/RDFS vocabularies. It will be updated for m24 respectively.

**Related Task: Task 2.2 Meta-model Vocabulary Design** [\[edit\]](#)

Involved Partners: **TCD**, OxSE, UL, SWC

**Figure 7: Individual deliverable view**

Each deliverable has its own page that contains the summary information from the description of work and assigns named editors and reviewers for each deliverable. It also brings together the relevant sections of text from the proposal where the contents of the deliverable is discussed, making it easier for researchers to see the planned scope of the work. Finally, it includes a scratchpad area where deliverable editors and contributors can store important decisions and work allocations about the deliverable. For example, this can be used to share the planned table of contents and work breakdown of the deliverable.

## Next Steps

The ALIGNED public and internal websites will continue to be updated and improved throughout the life of the project. The public website will be updated with project outcomes and news, to keep the general public, the scientific community, and industry informed of how the project is progressing. The internal website will migrate to be based on the Confluence team collaboration platform. This will improve project coordination capabilities and prove invaluable in supporting the PoolParty use case, where this platform is already in use.