Unlocking Research Potential: Harnessing ARGOS with Data Management Plan

Sebastian Dahle
University of Ljubljana
SEBASTIAN DAHLE

Assist. Prof. & Postdoc
Biotechnical faculty,
University of Ljubljana
OVERVIEW

Research Data Management in the PlasmaSolution project

Scenario
What was the problem for which you chose to use Argos?

Solution and implementation
Why ARGOS?

Impact
Impact for your research
#1 – Scenario
Describe in detail what was the problem/challenge before discovering the service

**WP0: Management**

**WP1: Build-up of demonstrator**

**WP2: Wetting and liquid uptake adjustment**

**WP3: Plasma diagnostics**

**WP4: Coatings without additives**

**WP5: Complex coatings**

**WP6: Closure**
The challenge

• Aim: Fulfil requirements of the Marie Curie fellowship

• Data Management Plans not standard in the host lab
  • No previous experiences among peers or department leadership
  • Discovering available services and efficient practices along the way

• Available (EC) instructions or templates not overly intuitive
#2 – Solution and Implementation
BEGIN WITH PLANNING DATA & SOFTWARE MANAGEMENT
Planning: Step up with data
Create the Data Management Plan

• A way to support and track Open Science from the onset
• mandatory by research funders.
• Emerging as an integral part of the research ecosystem
• with lots of automations to make it easy for everyone to use.

1. Use directly via Argos website argos.openaire.eu
2. Find the template that can apply to my project and start the DMP
3. Reviewing and Publishing the DMP and the updated version
WHAT I GET

Create your **machine actionable template**

Close the DMP lifecycle and publish **FAIR DMPs, complaint to my research funder**

Support my work and my collaborators with **automating the DMP writing** process by connecting with data repository and services (e.g. the EUTOPIA Portal)

Use the OpenAIRE Research Graph to **enrich the DMPs with content and make the links** with other research outputs (Qualified References)

**Collaborate** with my team and create new versions to support DMPs as **living documents**

Help Researcher Administrators and Funders **to track** DMPs in the OpenAIRE MONITOR (e.g. EUTOPIA or Funders)
Case studies – for MSCA Project

• Let’s start a demo of a DMP with ARGOS

Discover more: https://www.openaire.eu/case-studies
#3 – Impact

OpenAIRE Services and EOSC
Expected impact on Research Careers

• Argos is part of the EOSC Portal’s Services
  → Huge benefits provided through integration!
• More integration also with local services would be nice
• DMPs should become a part of research assessment

• *Overall, it should become easier to conduct your research by using a DMP tool like Argos as if you were not using it.*
Email
sebastian.dahle@bf.uni-lj.si

Twitter
@DahleSebastian