



# A1. RM Training: Practical Introduction to the ENVRI RM

The attributes marked with a \* are confidential and should not be disclosed outside the service provider.

Service overview																					
Service name	RM Training: Practical Introduction to the ENVRI RM																				
Service area	Reference model Training																				
Service phase	beta: service being developed while available for testing publicly																				
Service description	This training module provides a structured introduction to the main concepts of the ENVRI Reference Model in its 3 logical viewpoints. Nine lessons, starting with a use case description and the research data lifecycle, incrementally introducing more details about the Science, Information and Computational Viewpoints.																				
Customer group	Environmental Research Infrastructure personnel who have little or no experience designing and modelling complex distributed information systems																				
User group																					
Value	Covers all phases of the data lifecycle; Provide Common Vocabulary for Data for Science; Architecture Design RIs ICT and crosscutting mechanisms																				
Tagline																					
Features	<ul style="list-style-type: none"><li>• Provides practical examples of the use of the Reference Model</li><li>• Based on a real life modelling case (DASSH use case)</li><li>• 9 Lessons covering the science, information and technology viewpoints</li></ul>																				
Service options	<table><thead><tr><th>Option</th><th>Name</th><th>Description</th><th>Attributes</th><th></th></tr></thead><tbody><tr><td>1</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td><td></td></tr></tbody></table>	Option	Name	Description	Attributes		1					2					3				
Option	Name	Description	Attributes																		
1																					
2																					
3																					
Access policies	Open Content, Licensed under a Creative Commons Attribution - NonCommercial-ShareAlike 2.0 Licence																				
Service management information																					
Service owner *	Cardiff University																				
Contact (internal) *	Abraham Nieva, Alex Hardisty, Aurora Constantin, Malcolm Atkinson																				
Contact (public)	Abraham Nieva/Alex Hardisty (NievadelaHidalgaA@cardiff.ac.uk)																				
Request workflow *	<div><div> E-Science application developers</div><div> RI service developers</div></div> <div><div>Goal: use the ENVRI RM to model technical solutions which can be understood by all stakeholders</div><div>Requirement: knowledge of the research domain, technical solutions available, and modelling at different levels for different audiences</div><div>Solution: Use the Course on Practical Introduction to the ENVRI RM to learn about designing models to be shared with RI stakeholders</div></div> <div><div>Looks like you cannot benefit from the course</div><div>Systems are documented and easy to maintain?</div><div>Already developed and deployed RI systems?</div><div>Aware of the research data life cycle and the systems that support it?</div><div>Skilled in modelling complex systems?</div></div> <div><div>The course shows how to document existing systems</div><div>The course provides an illustrated walkthrough of the modelling</div><div>The course shows how the data lifecycle is supported by RI systems</div><div>The course presents an easy to follow modelling process</div></div> <div>Access the Course on Practical Introduction to the ENVRI RM</div>																				
Service request list	<a href="https://training.envri.eu/course/search.php?search=ENVRI+RM">https://training.envri.eu/course/search.php?search=ENVRI+RM</a>																				

Terms of use																
SLA(s)																
Other agreements																
Support unit	<p>Abraham Nieva, Alex Hardisty, Aurora Constantin, Malcolm Atkinson</p> <p>Support type:</p> <ul style="list-style-type: none"><li>• email support: Abraham Nieva/Alex Hardisty (<a href="mailto:NievadelaHidalgaA@cardiff.ac.uk">NievadelaHidalgaA@cardiff.ac.uk</a>)</li><li>• open for feedback and requests</li><li>• planning of webinars and structured courses</li></ul>															
User manual	<a href="https://training.envri.eu/course/search.php?search=ENVRI+RM">https://training.envri.eu/course/search.php?search=ENVRI+RM</a>															
Service architecture																
Service components	<p>TRL 7. prototype demonstration in operational environment</p> <table><tr><th>#</th><th>Type</th><th>Name</th><th>Description</th><th>TRL [1]</th></tr><tr><td>1</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td><td></td></tr></table>	#	Type	Name	Description	TRL [1]	1					2				
#	Type	Name	Description	TRL [1]												
1																
2																
Finances & resources																
Payment model(s)	Free															
Pricing																
Cost *																
Revenue stream(s) *	in-kind															
Action required																

[1] Technology Readiness Levels (TRL) are a method of estimating technology maturity of components during the acquisition process. For non-technical components, you can specify "n/a". For technical components, you can select them based on the following definition from the EC:

- TRL 1 – basic principles observed
- TRL 2 – technology concept formulated
- TRL 3 – experimental proof of concept
- TRL 4 – technology validated in lab
- TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 7 – system prototype demonstration in operational environment
- TRL 8 – system complete and qualified
- TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies)