

Supporting Content Provision in Environmental Information Infrastructures

Sven Schade and Laura Díaz

European Commission – Joint Research Centre Institute for Environment and Sustainability Spatial Data Infrastructures Unit







Envip Workshop 2010-10-08

Conclusion

Deployment is the main bottleneck in sharing **environmental content** We propose a solution: The **GEOSS Service Factory** (GSF)

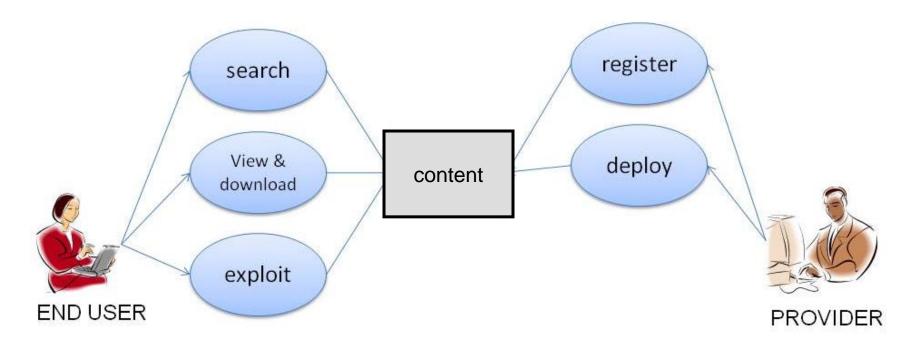
Deployment of simulations/models remains challenging

We test(ed) implementations in for EFFIS

Security issues remain to be addressed

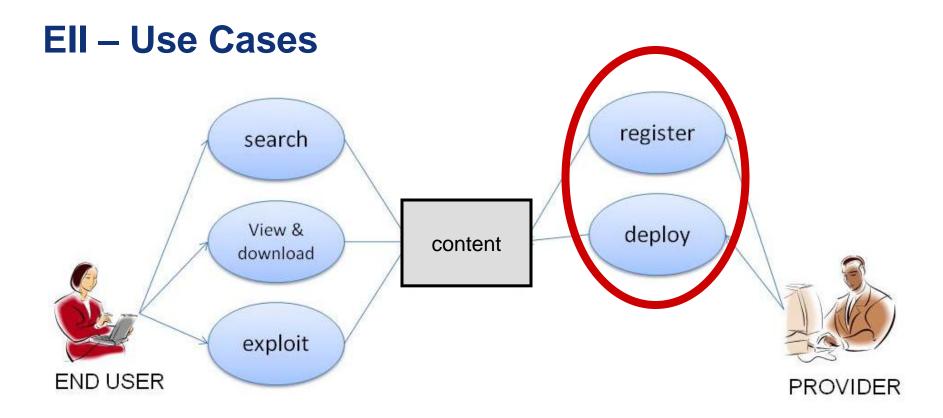


EII - Use Cases



Envip Workshop 2010-10-08

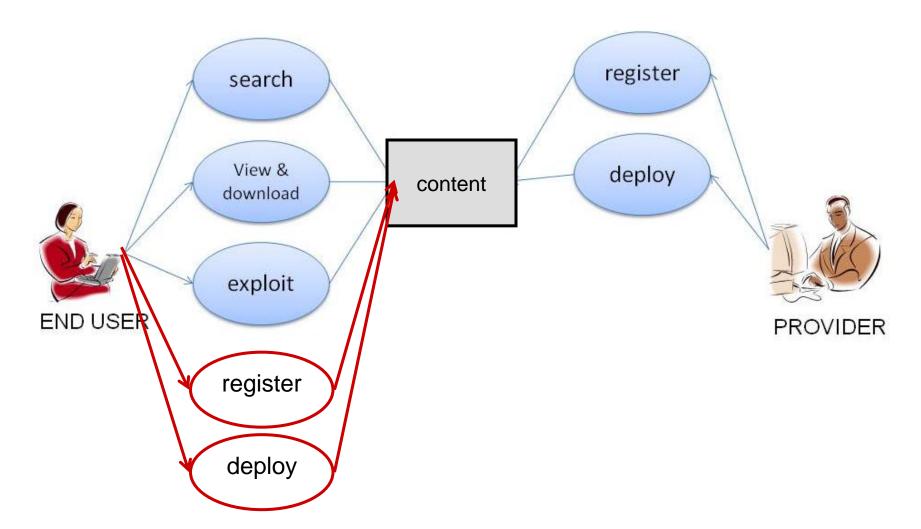








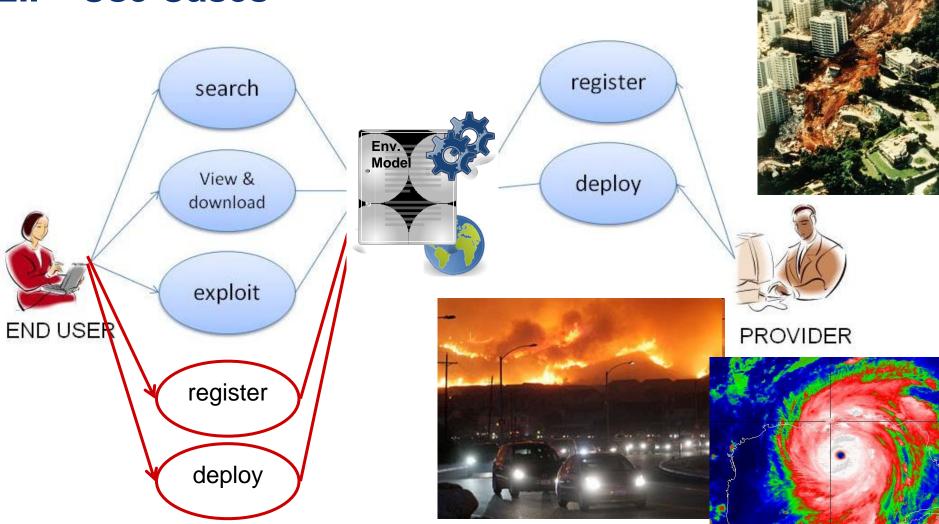
Ell – Use Cases



Envip Workshop 2010-10-08

Institute for Environment and Surfedundslifts

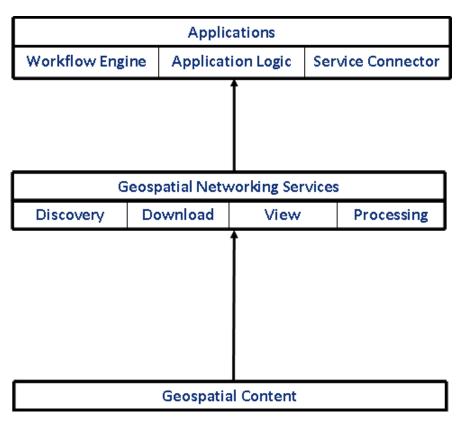
Ell – Use Cases





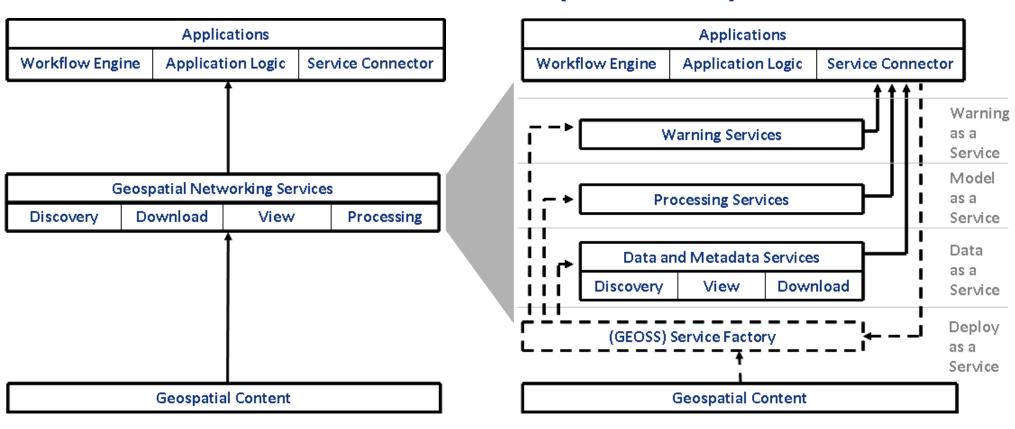


Ell – Architecture





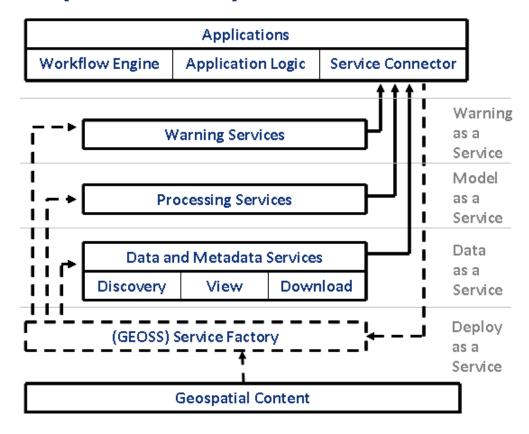




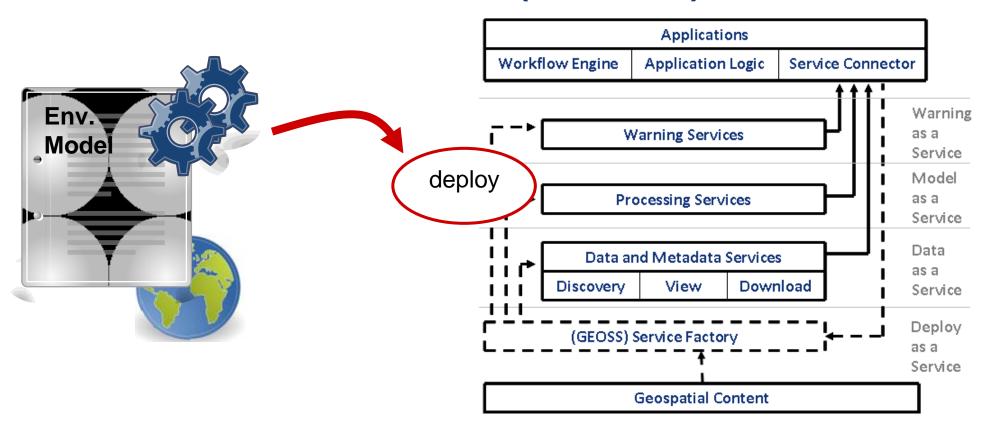






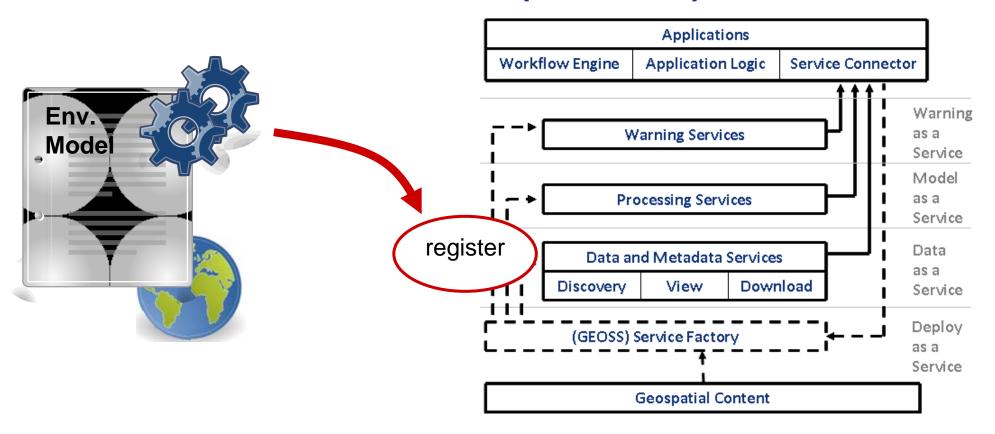




















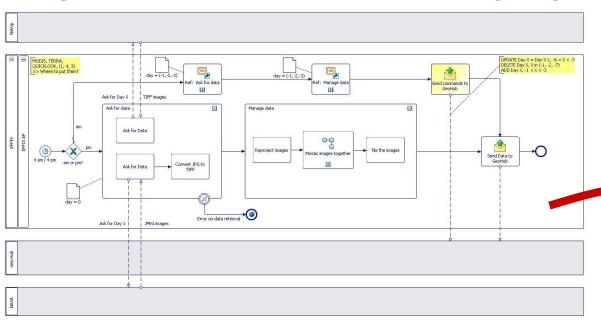














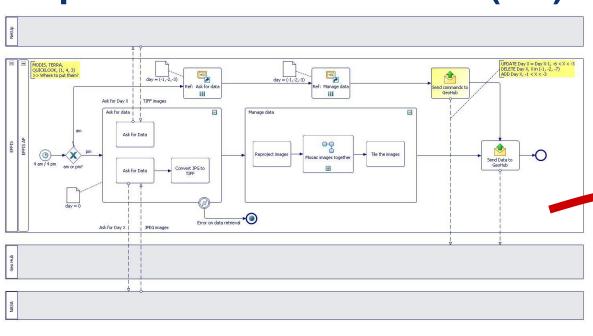












Challenges

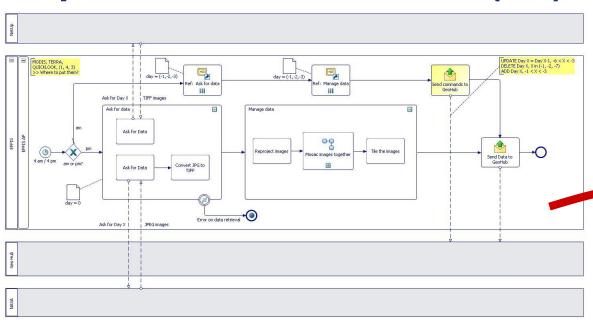
No information on model semantics











Challenges

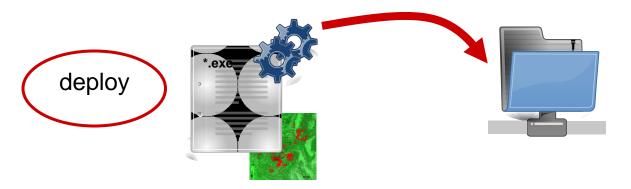
No information on model semantics

> Might use Ell community vocabulary









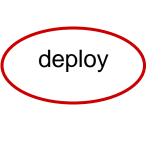


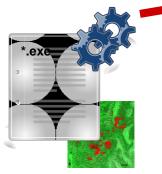












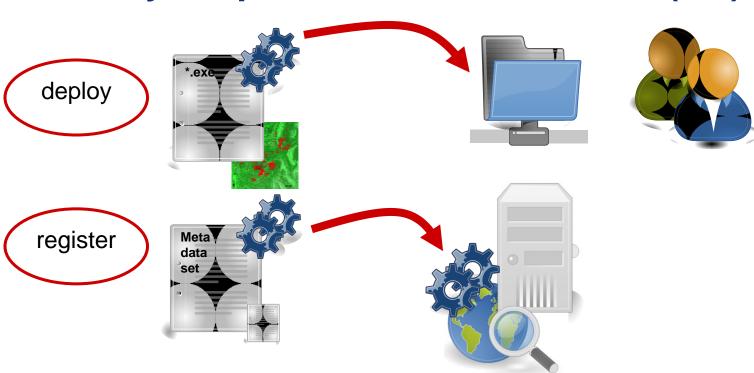








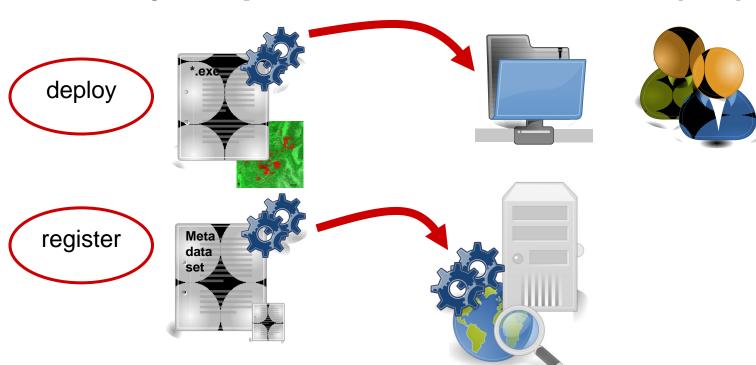












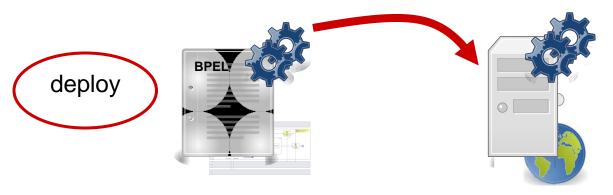
Challenges

Metadata for model discovery, evaluation, and use Practical problem of obsolescence





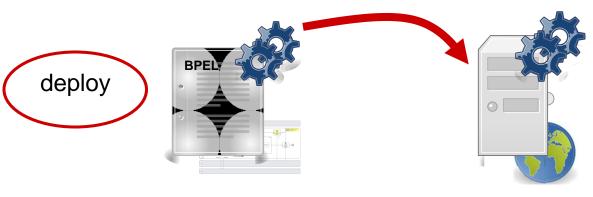




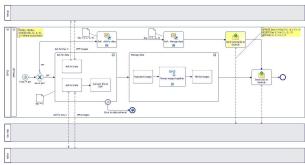






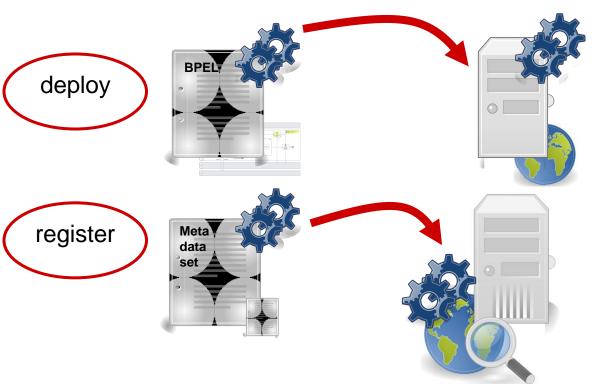




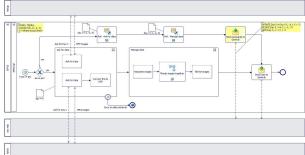






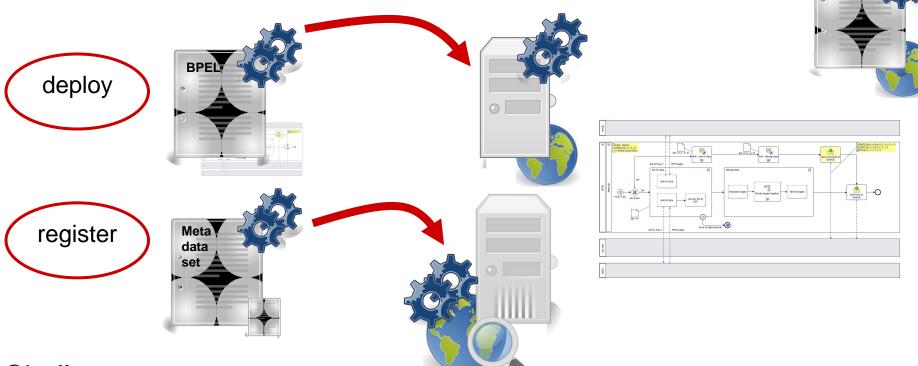












Challenges

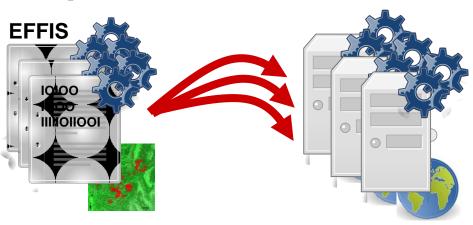
Metadata for model discovery, evaluation, and use (also easier) Limitation of execution languages, e.g. BPEL











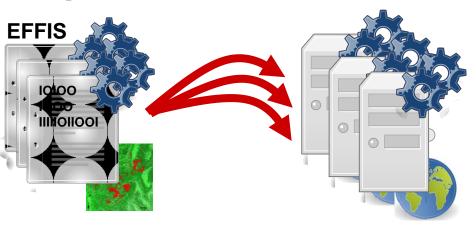


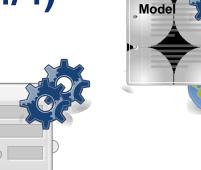








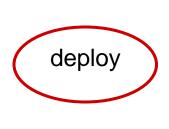


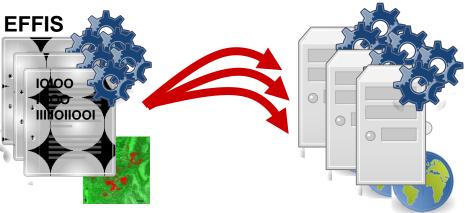






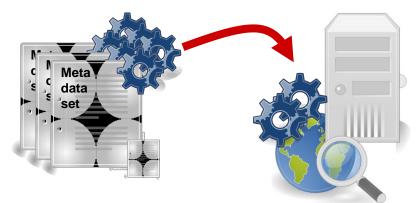














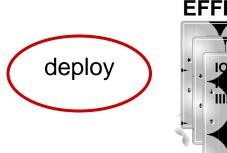


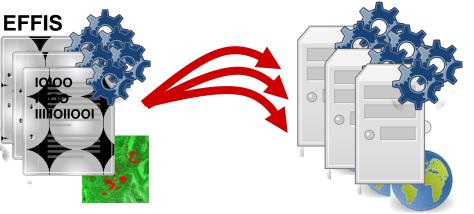


Mode

How may we provide models in Ells? (4/4)

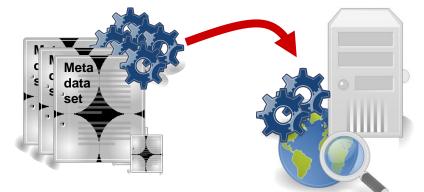












Challenges

Metadata for component discovery, evaluation, and use Diversity of required operating systems, programming languages, etc. Envip Workshop 2010-10-08



Summary and Conclusion

Deployment is the main bottleneck in sharing **environmental content**

We propose a solution: The **GEOSS Service Factory** (GSF)

Deployment of simulations/models remains challenging

We test(ed) implementations in for EFFIS

Security issues remain to be addressed

Envip Workshop 2010-10-08

Summary and Conclusion

Deployment is the main bottleneck in sharing **environmental content**

We propose a solution: The **GEOSS Service Factory** (GSF)

Deployment of simulations/models remains challenging

We test(ed) implementations in for EFFIS

Security issues remain to be addressed

> Our requirements 'related to Infrastructures and Platforms as a Service'









sven.schade@jrc.ec.europa.eu laura.diaz@uji.es



