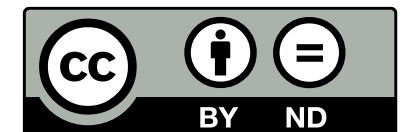# Shaping and Tracking Policies via Open Science Monitoring

What to expect, how to align

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National infrastructures in EOSC | Oct 12, 2022

Why tracking

1. EOSC is a system of systems, it has many facets and is crucial to align. **Knowing is power.**

2. Member States & Associate Countries have different views, infrastructure maturity and funding levels. **Going from diversity to convergence.**

3. Countries and institutions adapt and adopt in different paces and in different ways. **Need to learn from each other.**

Europe policy landscape – diverse BUT converging

1. Strategies vs. policies vs. implementation
   a. Different views and different maturity levels

2. National strategies for Open Science in many countries *– in progress*
   a. Originating either via top down or bottom-up processes (examples are e.g. France, Norway vs. Serbia, Greece)
   b. Role of National Open Science Coordinators

3. Institutional policies – 706 already registered
   a. OpenROAR database – not including all
   b. Quite often soft mandates – no follow up

What are we tracking

1. Policies Open Science is the key policy in EOSC but there is more
   a. Data access/data governance
   b. SLAs for services
   c. IPR
   d. GDPR/privacy

2. Practices and implementation

3. Uptake (the reality)

EOSC Future

Who is tracking

1. MS/AC via the EOSC Steering Board – a coordinated effort
2. EOSC-A to monitor progress and commitments from its members
3. Individual countries monitoring different facets of Open Science
4. European Science & Technology Observatories with Open Science is in the center (e.g., ERA)
5. Global efforts via UNESCO

How are we tracking

Some issues

1. A time consuming process that needs engagement and commitment
   a. Updatedness
   b. Human resources

2. Converging to a common framework, indicators and metrics
   a. Collecting numbers is tricky as we need to have a common understanding

3. When using automated methods, data quality is an issue