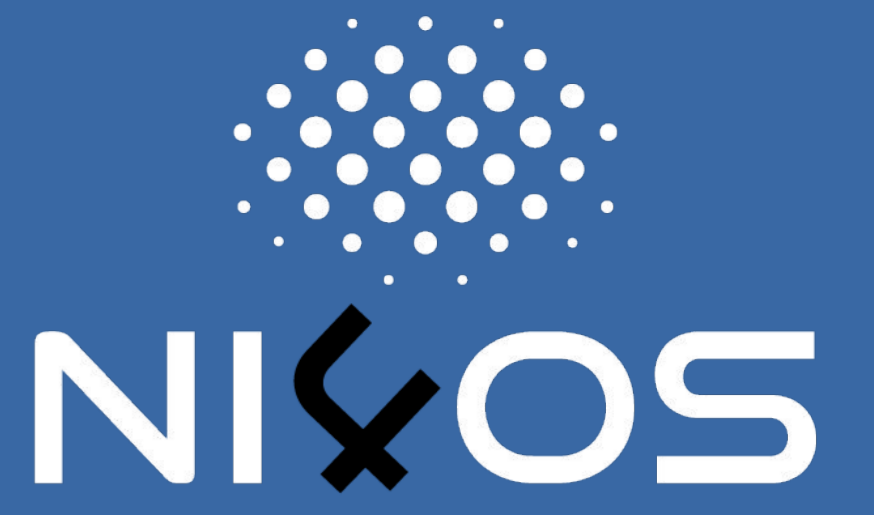# BUILDING NATIONAL OPEN SCIENCE CLOUD INITIATIVES (NOSCIs) IN SOUTHEAST EUROPE:
SUPPORTING RESEARCH AND SCHOLARLY COMMUNICATION

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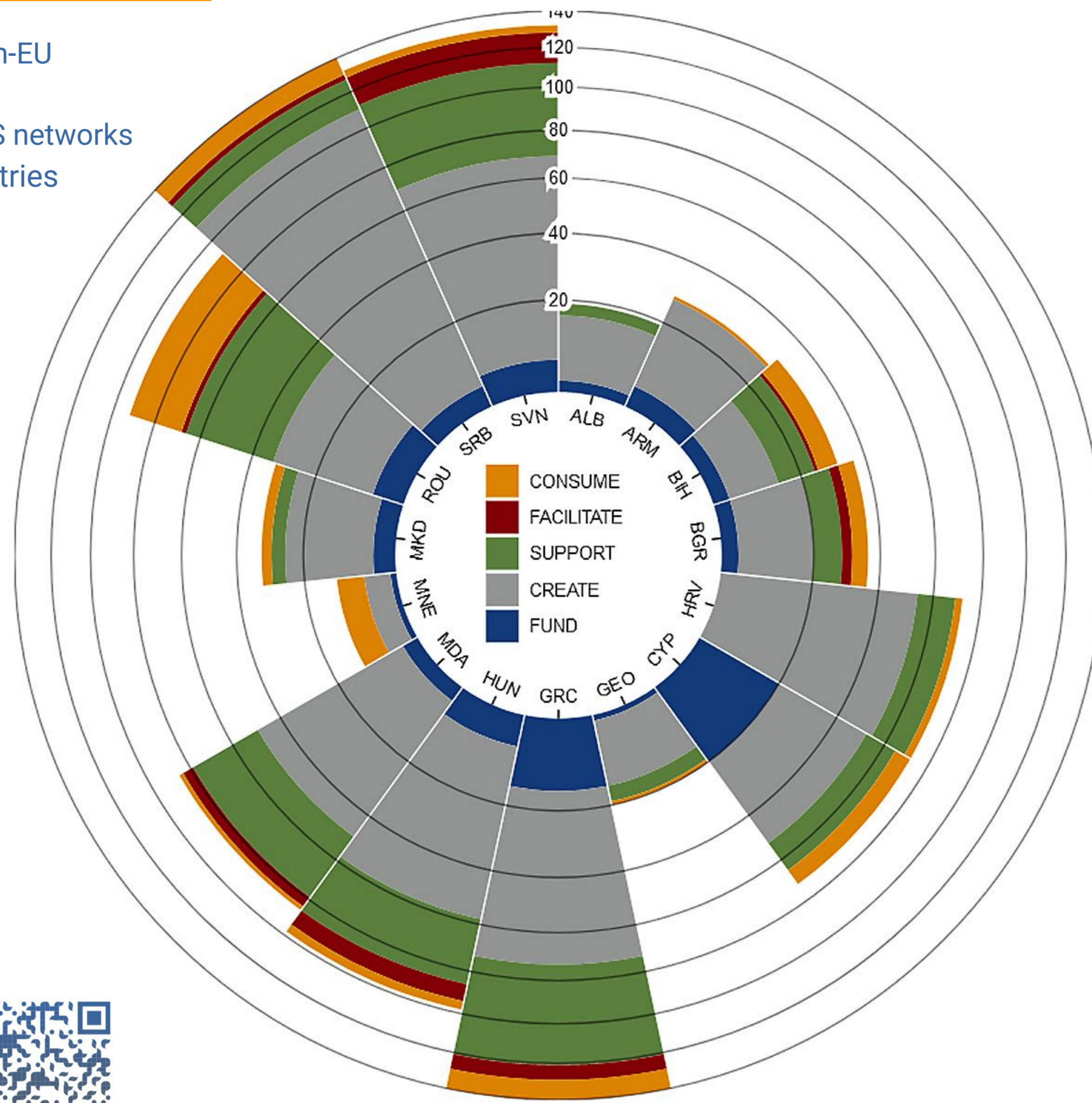
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The project National Initiatives for Open Science in Europe – NI4OS Europe supports the integration of national Open Science Cloud initiatives in 15 countries in Southeast Europe into the EOSC governance. By doing this, it also builds infrastructure and creates a favourable environment for open and intensive scholarly communication.
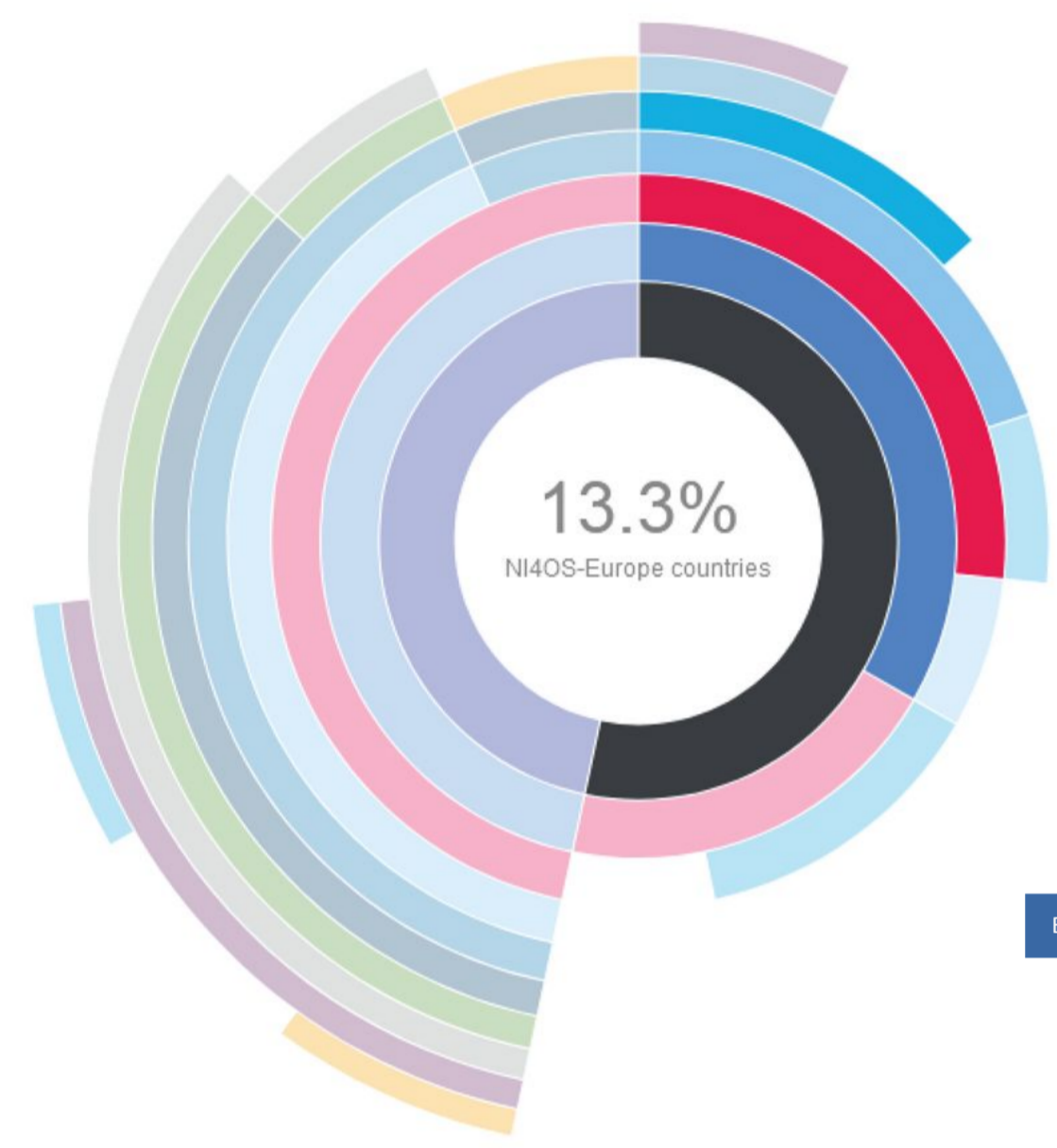
The main instrument in achieving this is the network of national Open Science Cloud Initiatives (NOSCIs) established in the partner countries as national-level coalitions of Open Science (OS) stakeholders that have a prominent role and interest in the European Open Science Cloud. The concept of NOSCI has been developed in response to the specific traits and challenges in the targeted region, based on complex and multilayered analyses of stakeholders, policies and local contexts.

Landscaping: Challenges in the region

- NI4OS-Europe partners – both EU members and non-EU countries
- non-EU countries are less integrated in European OS networks
- varying structure of OS stakeholders across countries
- different research governance systems
- different policy traditions
- varying levels of available funding
- uneven infrastructure development
- linguistic diversity
- lack of information across the region

nonEU | OpenAIRE | GEANT | CESSDA | EIFL | 13.3%

13.3%
NI4OS-Europe countries

EXPLORE

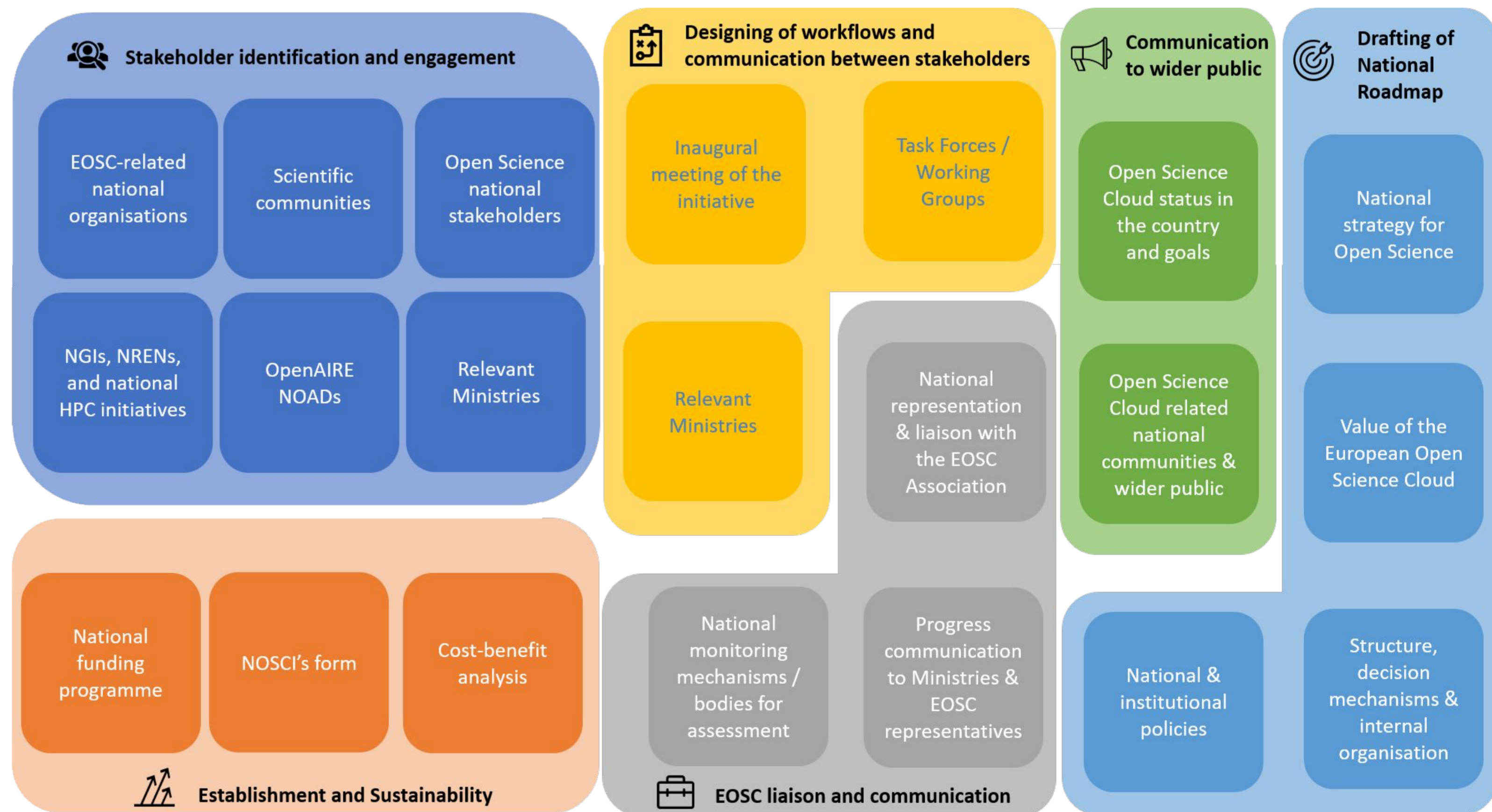

CONSUME
FACILITATE
SUPPORT
CREATE
FUND

However, their expectations from EOSC are similar and are closely related to scholarly communication.

The word cloud shows the most frequent concepts mentioned in response to the question "What do you expect from EOSC?" in the NI4OS-Europe landscaping survey conducted in the autumn of 2019.

Methodology: Establishing NOSCIs

Agile and modular methodology to cater for the varying needs and OS levels of the region

- Work on OSC theoretical background & policies
- Develop a NOSCI blueprint
  a. Indicators
  b. Workflows for setting up National OSC Initiative
  c. Operational aspects
- Provide methodological and operational support
  a. Structured process through the 5-step-methodology
  b. Checklists for setting up and monitoring

1. Invite Stakeholders, build the core group
2. Communicate efforts to government officials, establish collaboration for the elaboration of national OS policies
3. Discuss operational aspects, draft MoU, establish governance structure
4. Align with EOSC, seek for the "mandated organisation" status
5. Spread the know-how, share knowledge within and outside the consortium

Stakeholder identification and engagement
- EOSC-related national organisations
- Scientific communities
- Open Science national stakeholders
- NGIs, NRENs, and national HPC initiatives
- OpenAIRE NOADs
- Relevant Ministries

Designing of workflows and communication between stakeholders
- Inaugural meeting of the initiative
- Task Forces / Working Groups
- Relevant Ministries
- National representation & liaison with the EOSC Association

Communication to wider public
- Open Science Cloud status in the country and goals
- Open Science Cloud related national communities & wider public
- National & institutional policies

Drafting of National Roadmap
- National strategy for Open Science
- Value of the European Open Science Cloud
- Structure, decision mechanisms & internal organisation

Establishment and Sustainability
- National funding programme
- NOSCI's form
- Cost-benefit analysis

EOSC liaison and communication
- National monitoring mechanisms / bodies for assessment
- Progress communication to Ministries & EOSC representatives

Training & capacity building
- Network of trainers
- Resources on FAIR & ORDM
- Uptake of practices and skills

Collaboration & awareness
- Discipline-oriented networks
- Cross-disciplinary networks
- Networks of EOSC promoters

NOSCI

ORDM tools & support
- FAIR & reproducible resources:
- Ethics and legal compliance:
- Trustworthiness of repositories:

Provision of services
- Generic services
- Thematic services
- Repositories

Impact

NI4OS-Europe understands NOSCIs as inclusive national structures that provide all-round support to scholarly communities in the country, facilitate the FAIR sharing of knowledge & resources, co-shape the capacity building process and impact the national research ecosystems

NI4OS-Europe use cases demonstrate that this approach could be applied in other highly diversified environments in different local contexts.

INTERACTIVE CONTENT

PUBMET2022