



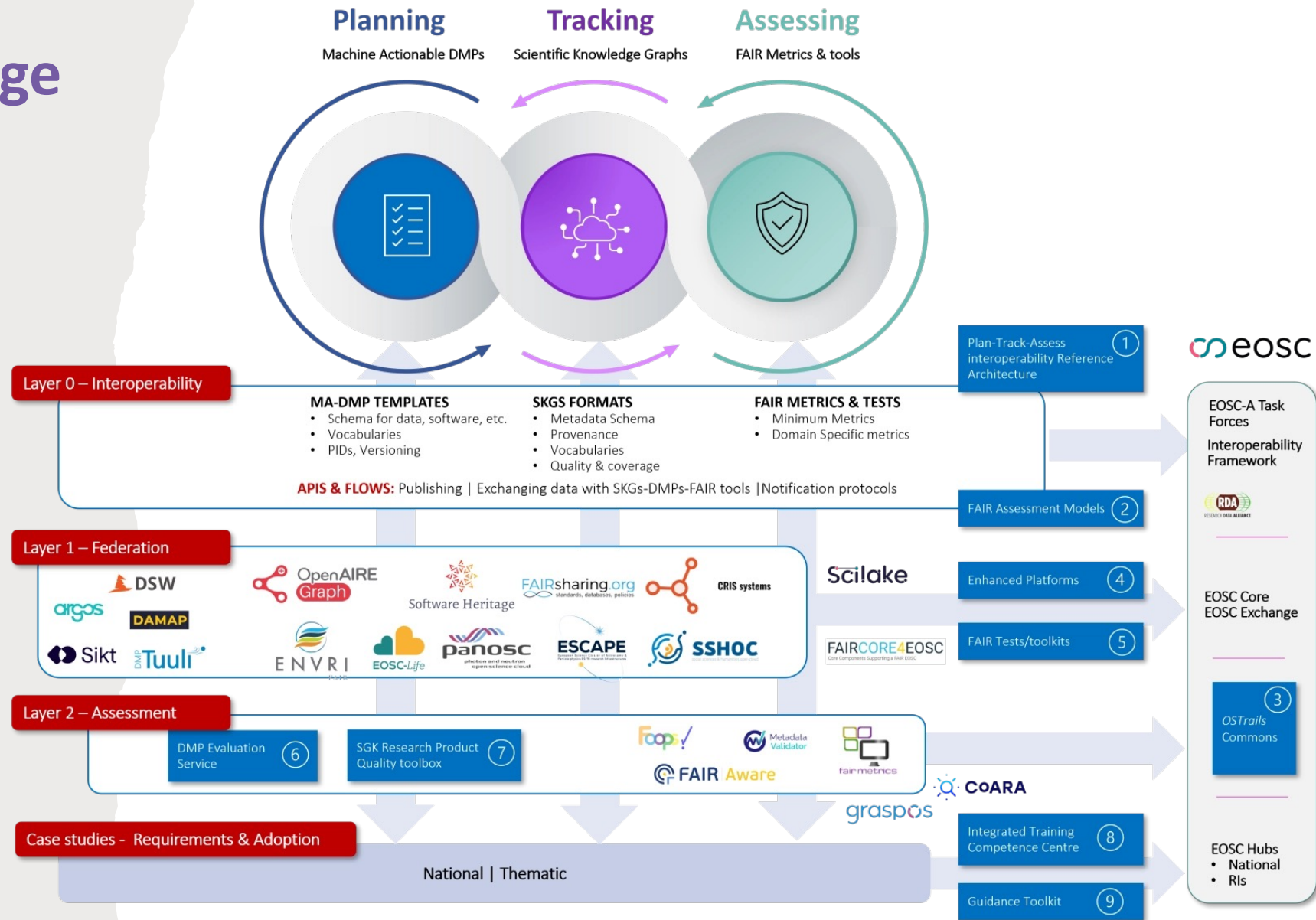
Scientific Knowledge Graphs ja tutkimustietovarantojen yhteentoimivuuden kehittäminen (Thematic pilots)

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Scientific Knowledge Graphs (SKGs)

- OSTrails haluaa edistää tutkimuksen seurattavuutta ja arvioimista
- Keskiössä linkitys:
 - metadatan yhdistäminen
 - tutkimustuotosten linkitys toisiinsa, tekijöihin, julkaisuihin, jne.
 - olemassa olevien SKG:ien linkitys toisiinsa
- SKG = esim. luettelo, joka tuottaa, kerää, järjestää ja julkaisee (meta)tietoa tutkimustuotoksista



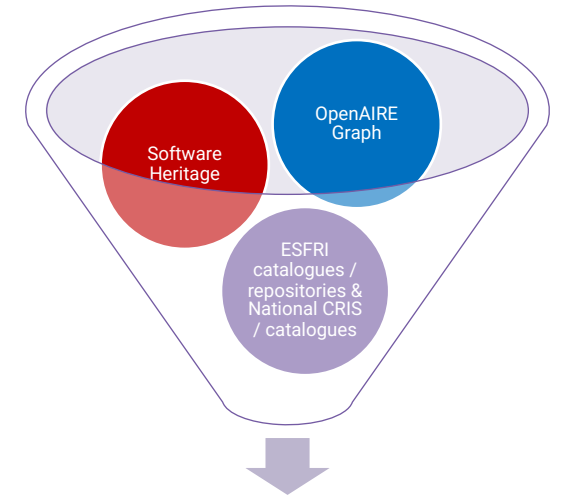
Temaattiset pilotit

- 9 pilottia eri tieteenaloilta
- Tavoitteena:
 - arvioida ja validoida hankkeessa kehitettyjä ratkaisua
 - edistää yhteentoimivuutta ja federaatiota ottaen huomioon tieteenalakohtaiset erot
 - edistää FAIR-periaatteiden toteutumista eri tieteenaloilla
 - hyödyntää ja parantaa tutkimusinfrastruktuurien olemassa olevia järjestelmiä
- Temaattiset pilotit alkavat hankkeen puolivälissä

Th-1	FAIRsharing for ESFRI Science Clusters	Multi-disciplinary/Cross-domain
Th-2	PaNOSC/ESFR, SOLEIL, ILL	Physics
Th-3	ENVRI/JERICO	Marine/Coastal
Th-4	CLARIN, CESSDA, PaNOSC	Multi-disciplinary/Cross-domain
Th-5	SSHOC/CESSDA	Social Sciences
Th-6	SSHOC/CLARIN/OEAW	Social Sciences & Humanities
Th-7	ENVRI/LifeWatch ERIC	Biodiversity
Th-8	SSHOC/CLARIN	Language Resources
Th-9	ESCAPE/ObsParis	Astronomy and particle physics

Temaattisten pilottien tehtäviä

- Tieteenalakohtaisten koneluettavien aineistonhallintasuunnitelmapohjien laatiminen
- Science Knowledge Graphien (SKG), mm. aineistoluetteloiden, rikastaminen pysyvillä tunnisteilla ja linkityksillä esim. datan, julkaisujen, sanastojen ja rahoituksen välillä
- Tieteenalakohtaisten FAIR-standardien kehittäminen
- Yhteentoimivuus OpenAIREn SKG:n kanssa



Th-1 FAIRsharing for ESFRI Science Clusters

- enhancing FAIRsharing Collections in Life Sciences, Astrophysics and particle physics, High energy Physics, Social Sciences and Humanities, Environmental Science
- developing FIPs for the EOSC clusters and their RIs

Th-2 Physics / Photon and neutron open science cloud / PaNOSC

- developing PaN RI community DMP ma-templates
- embedding community FAIR metrics within the templates to assess DMPs against FAIRness of their described outputs
- enhancing Pan RI with entities, PIDs and relationships for experiments, datasets, instruments, facilities, software, publications, vocabulary and grants (PUMA SKG)
- enhancing FAIR assessment of ICAT - PaN dataset repository, SOLEIL and ILL RIs digital objects

TH-3 Marine and Coastal / JERICO

- developing JERICO community ma-templates for DMPs (e.g. SOCIB)
- embedding community FAIR metrics within the templates to assess DMPs against FAIRness of their described outputs
- enhancing SOCIB and JERICO with PIDs, while interoperating with SKGs, aligning community FAIR metrics for digital objects assessments with JERICO Label and KPIs, and assessing FAIRness of JERICO digital objects

Th-4 Cross-domain pilot led by CLARIN, CESSDA and PaNOSC

- paving the way for thematic communities joining the project to publish their rich metadata catalogues as SKGs



Th-5 Social Sciences / CESSDA

- enhancing CESSDA Data Catalogue by using standard vocabularies, PIDs and relationships for data, projects and maDMPs
- interoperating with SKGs, as well as at aligning community FAIR metrics for digital objects assessments with the CESSDA Data Catalogue Assessment, the resulting improvements of which will be inserted in CDC and source repositories



TH-6 Social Sciences and Humanities Open Cloud (SSHOC)

- fostering collaboration developing SSH community ma-templates for DMPs
- embedding community FAIR metrics within the templates to assess DMPs against FAIRness of their described outputs
- enhancing the SSH OMP-SKG data model and content with DMPs, FAIR assessment results, standard vocabularies linking them with tools and services, datasets, training materials, workflows and publications, while interoperating with the Research Graph and other SKGs



Th-7 Biodiversity / LifeWatch

- developing community ma-templates for DMPs
- embedding community FAIR metrics within the templates to assess described research outputs, configuring and link templates with the relevant institutional and thematic data services, as well as other research products (e.g. preprints, publications, open peer-reviews, data, software, workflows, storage, organisations, projects, funders, services, researchers, facilities, etc.)
- enhancing the LifeBlock SKG with maDMPs, PIDs and links for the above research products and digital objects, and codifying community FAIR assessment metrics

Th-8 Language Resources / CLARIN

- fostering collaboration developing community ma-template for DMPs
- embedding community FAIR metrics within the templates to assess described research outputs, and enhancing VLO SKG with DMPs, FAIR assessment results, standard vocabularies, while interoperating with SSH-OMP-SKG, the Research Graph and other SKG

TH-9 Astronomy and particle physics / ESCAPE

- developing ESCAPE community ma-templates for DMPs, based on ObsParis DMP templates and the use case of the CTA Observatory
- embedding metadata required to conduct FAIR metrics assessment with the astronomy community ecosystem
- enhancing the community registries' interfaces with PIDs and interoperate with SKGs
- aligning community FAIR metrics for DOs assessments with astronomy metadata and KPIs
- assessing FAIRness of ESCAPE digital objects



Kiitos!

- 🕒 <https://ostrails.eu/>
- 🕒 <https://ostrails.eu/thematic-pilots>

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