

South African Research Data Infrastructure

SAEON Open Data Platform Roadmap

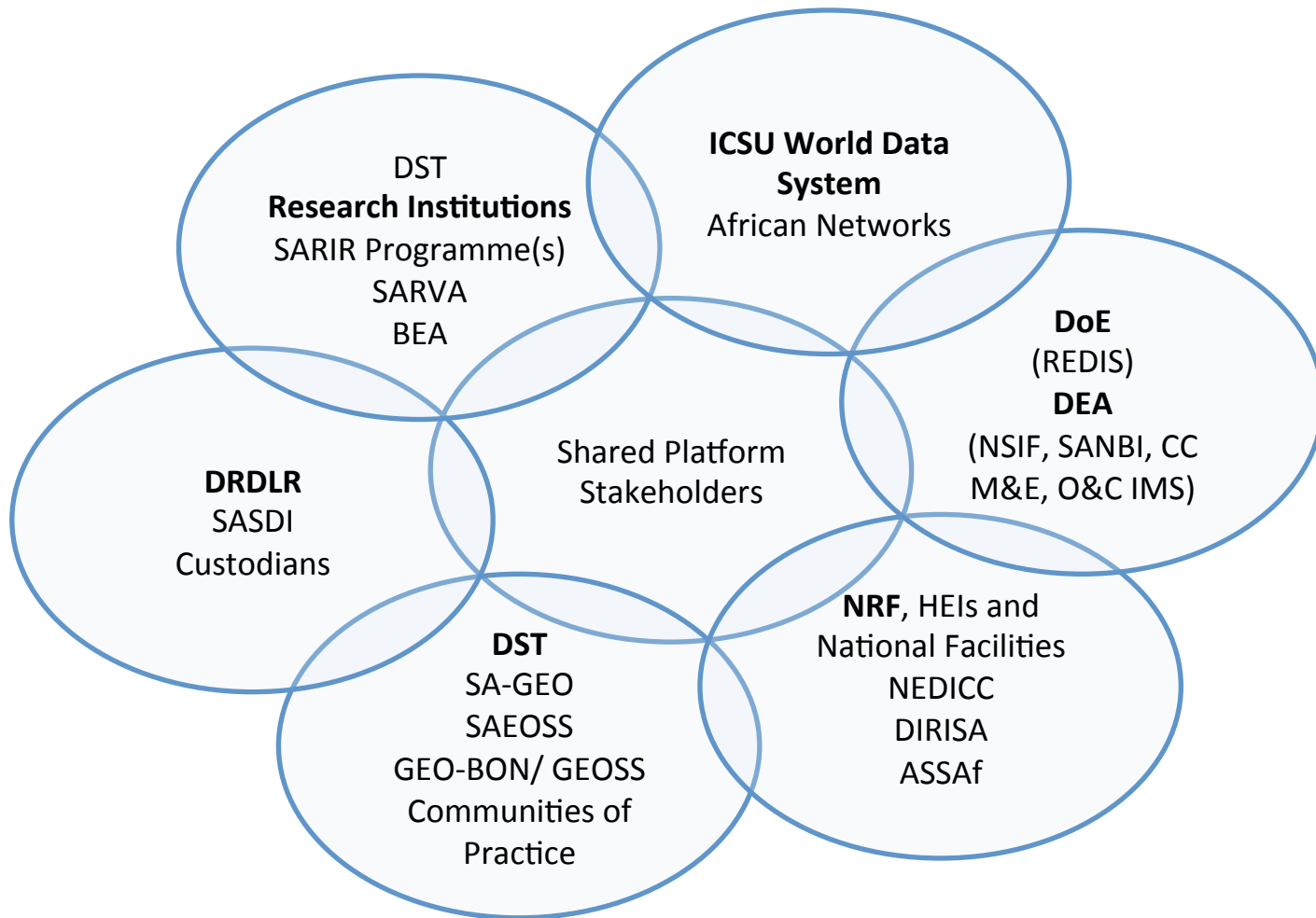
CDIO, SAEON
Systems Architect, DIRISA
Vice-Chair, ICSU-WDS



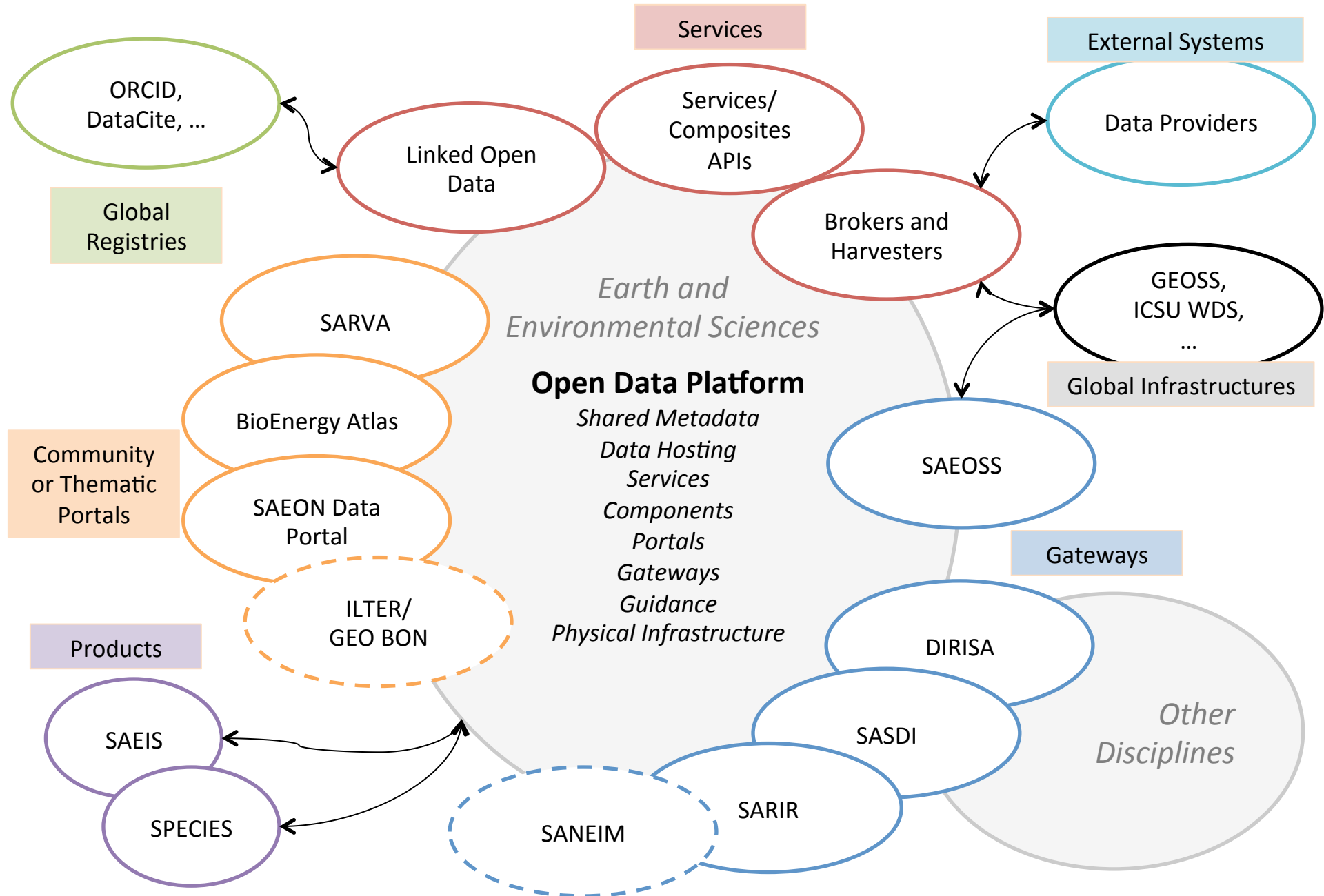
science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

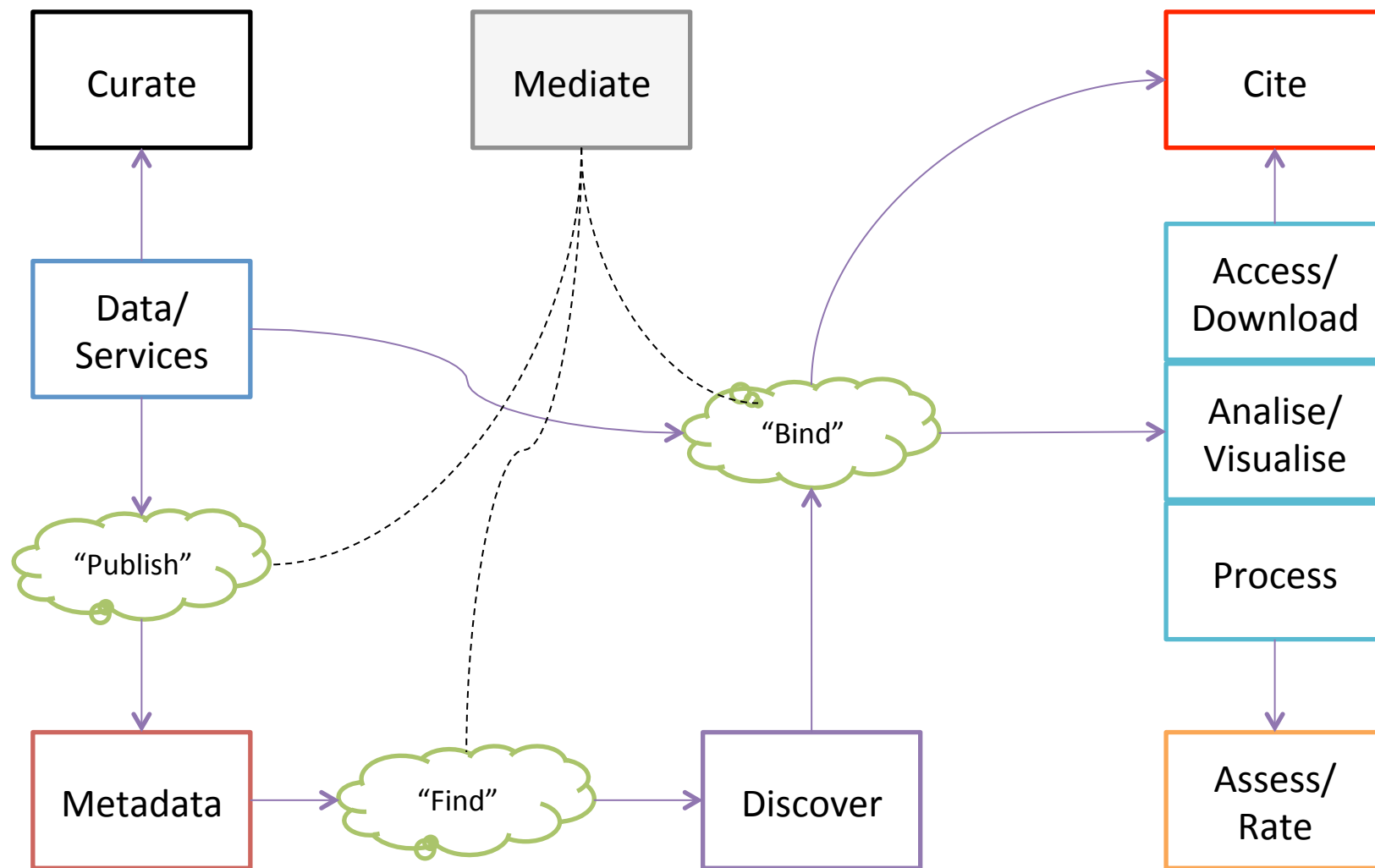
Maintenance of a Shared Roadmap



Emerging E&EO Research Data Infrastructure



Generalised Scientific Data Infrastructure Use Case

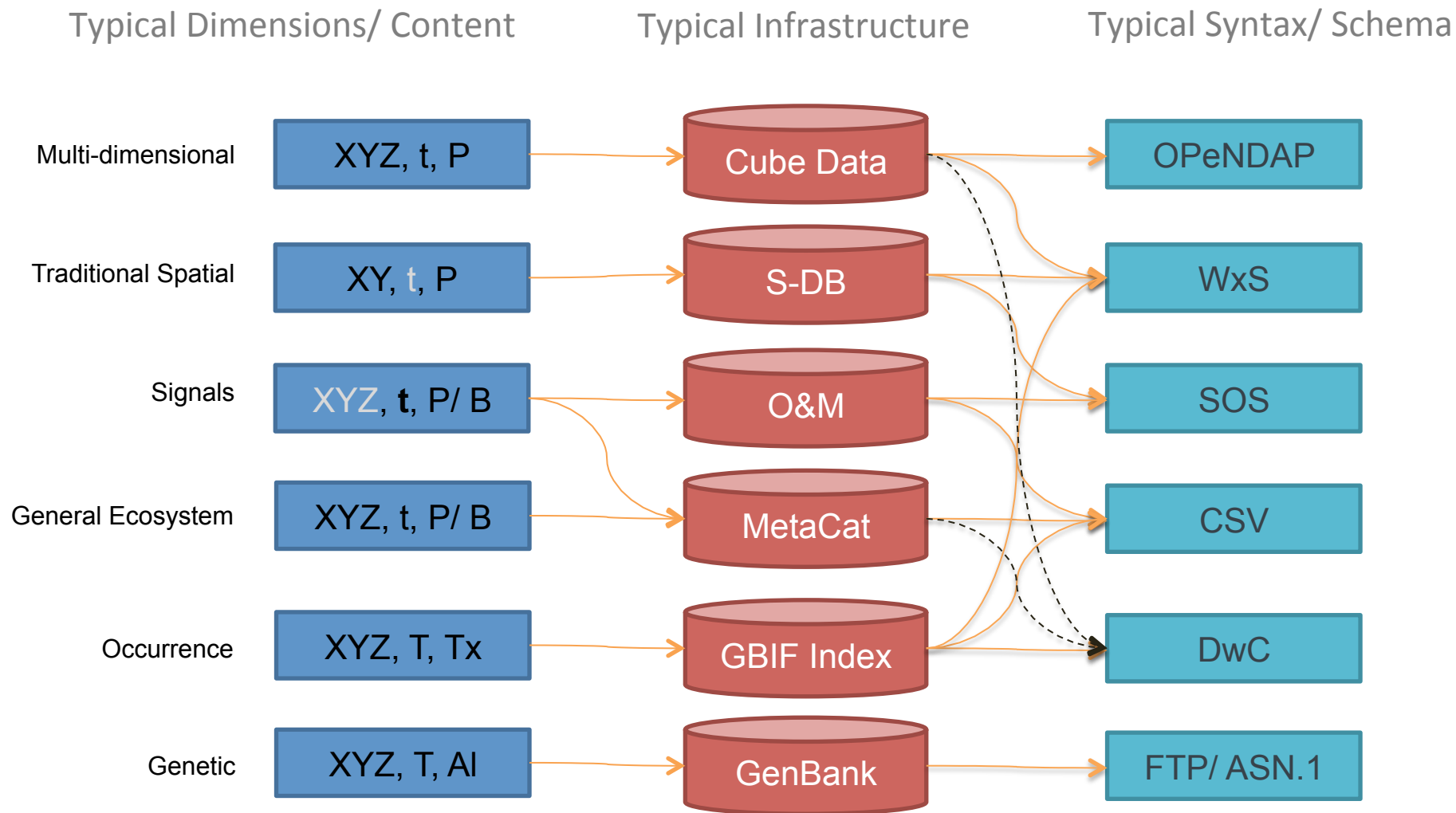


"Predictable Assembly from Reliable Components"

Options for Participation

Meta-Data Management	Discovery	Data Hosting, Visualisation and Download	Reporting	
Portal	Portal	Portal	Portal	No Infrastructure
Embedding*	Embedding	Embedding	Embedding	Shared Infrastructure
Adapters and Harvesters	CS/W Adapter	Standard Data Services		
REST Services	REST Services	Plug-Ins/ Own Development	REST Services	Mostly Own Infrastructure

Some Generic Data Families and Crosswalk Requirements



Still Thinking About: ★ HDF-5 for Everything ★ Directed Graphs/ RDF for Everything