UN-GGIM
ACADEMIC NETWORK

„Developing the Brainware for SDI"

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International Forum @UNGGIM 2018, New York

Academic Network Workplan 2018

To achieve the Academic Network's objectives, the workplan is focused on:

- Int. Forum in conjunction with the Eighth Session of UN-GGIM Committee of Expert Meeting, with the Theme on: **The SDGs Connectivity Dilemma: Urban Settlements, Resilience, and Sustainability,** Monday, 30 July 2018, NY.
- In close collaboration with other UN-GGIM entities, identify relevant items and opportunities for closer collaboration and contribution within the context of UN-GGIM work and Agenda.

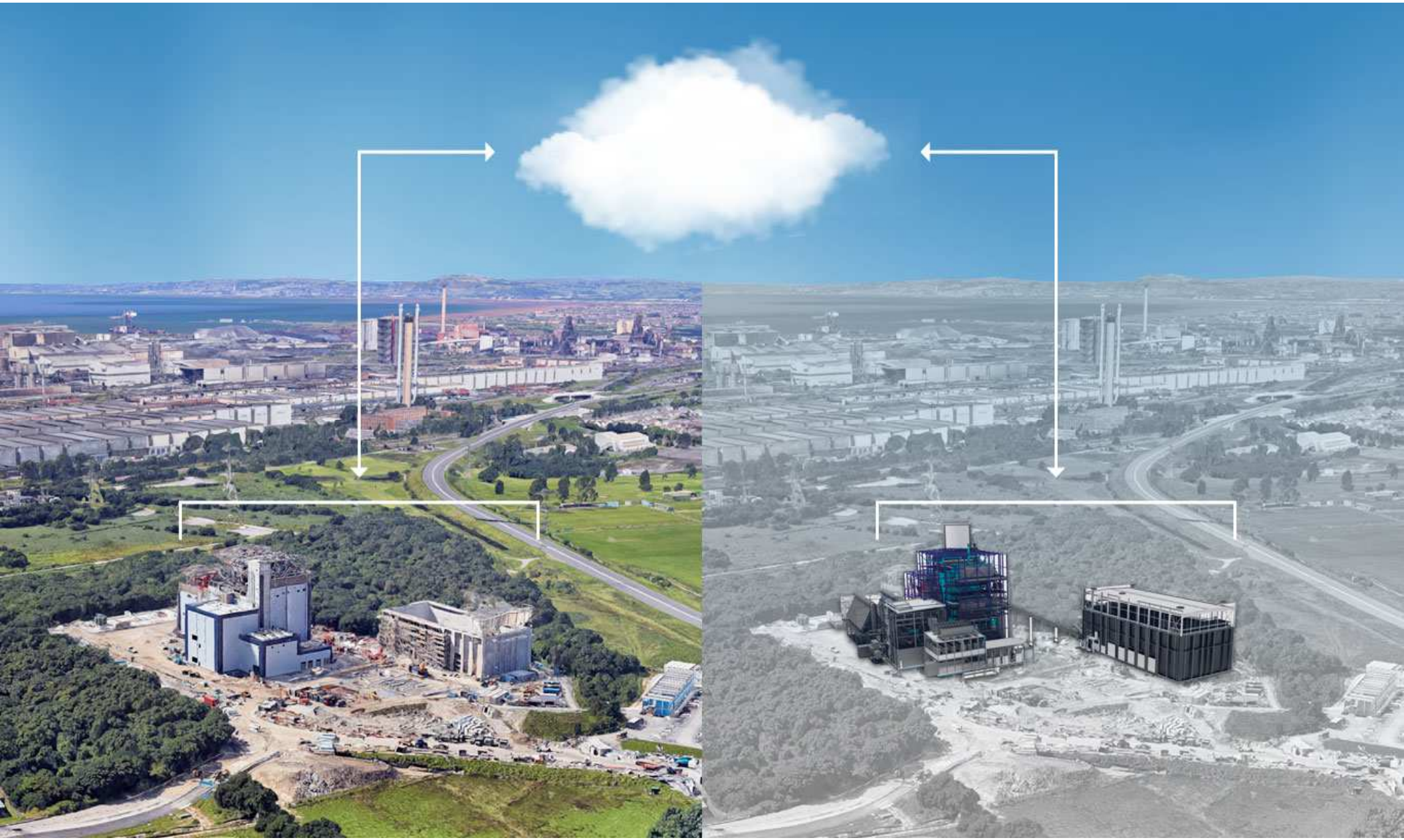
➢ Capacity Building in conjunction of UN-GGIM events and

- call and promote for membership and engagement via dedicated website.
- The current UN-GGIM WGs' workplans to identify the areas for support and input, and actively participating in their activities

➢ Explore the development of an infrastructure to facilitate SDG indicator and research registry

➢ Training and research programs, inventory of current capabilities, MOOCs, facilities, current projects, etc. relevant to UN-GGIM activities.

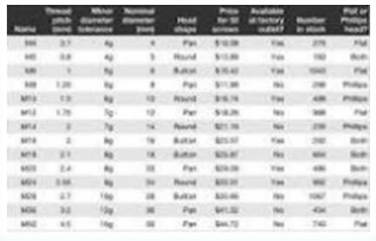
Digital Twin

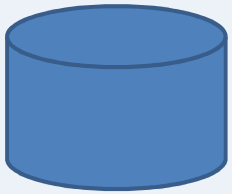


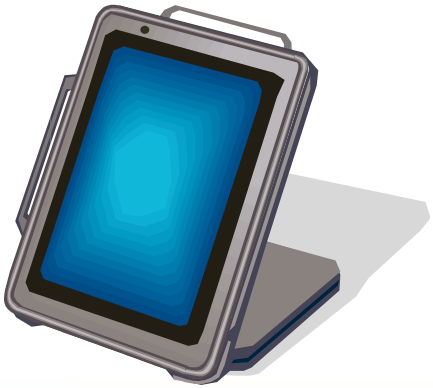
LE WEB 2012
The Internet of THINGS
CONNECT THE WORLD

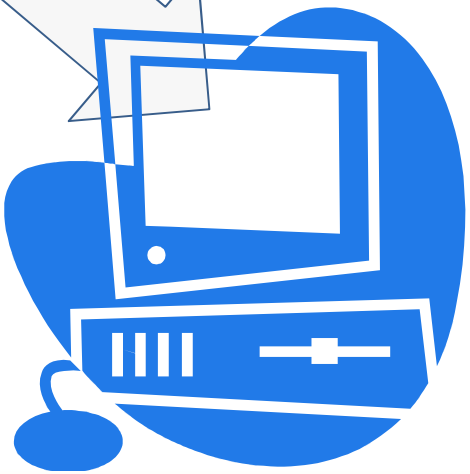
THE INTERNET of THINGS

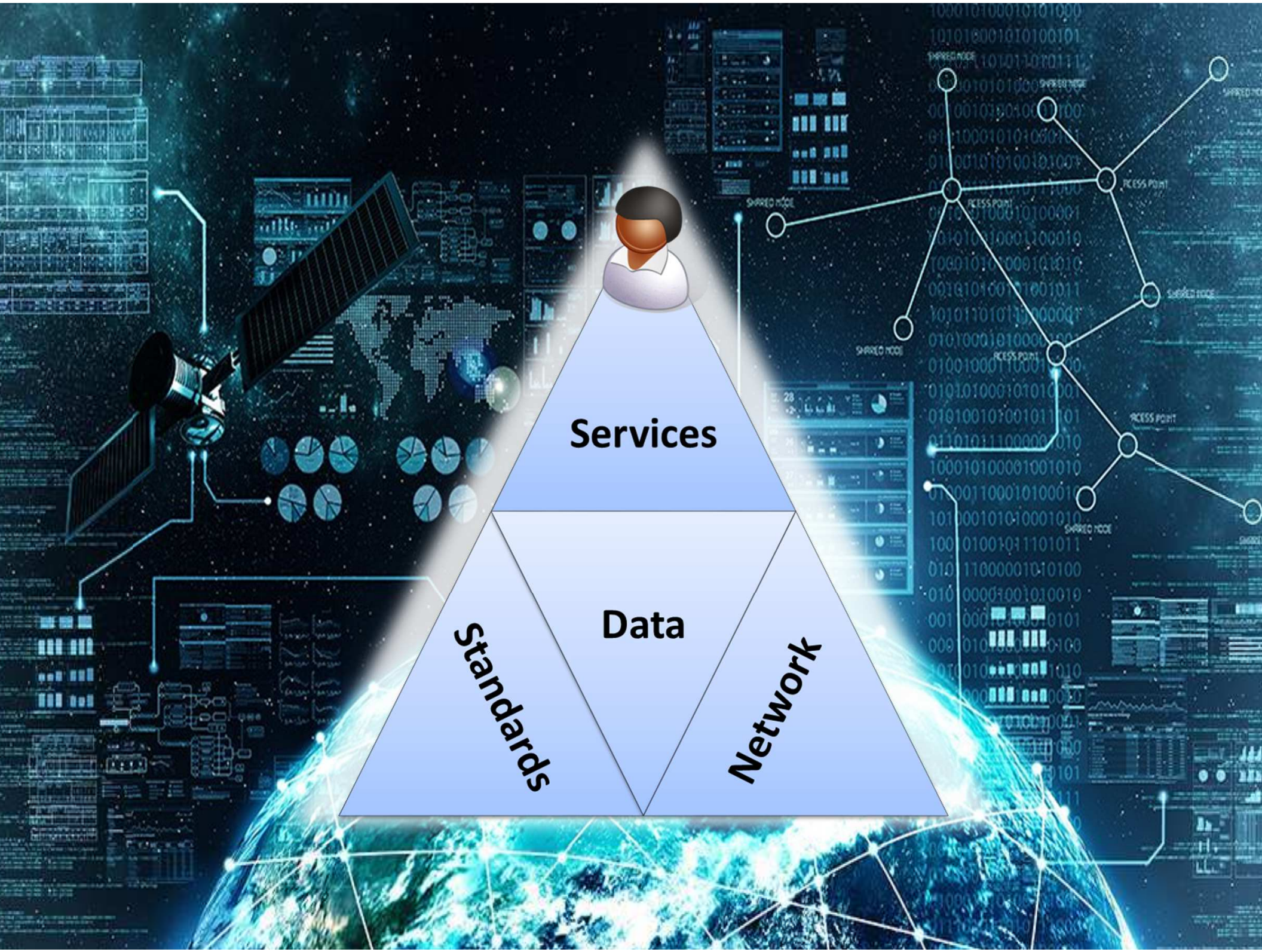
Cloud Computing



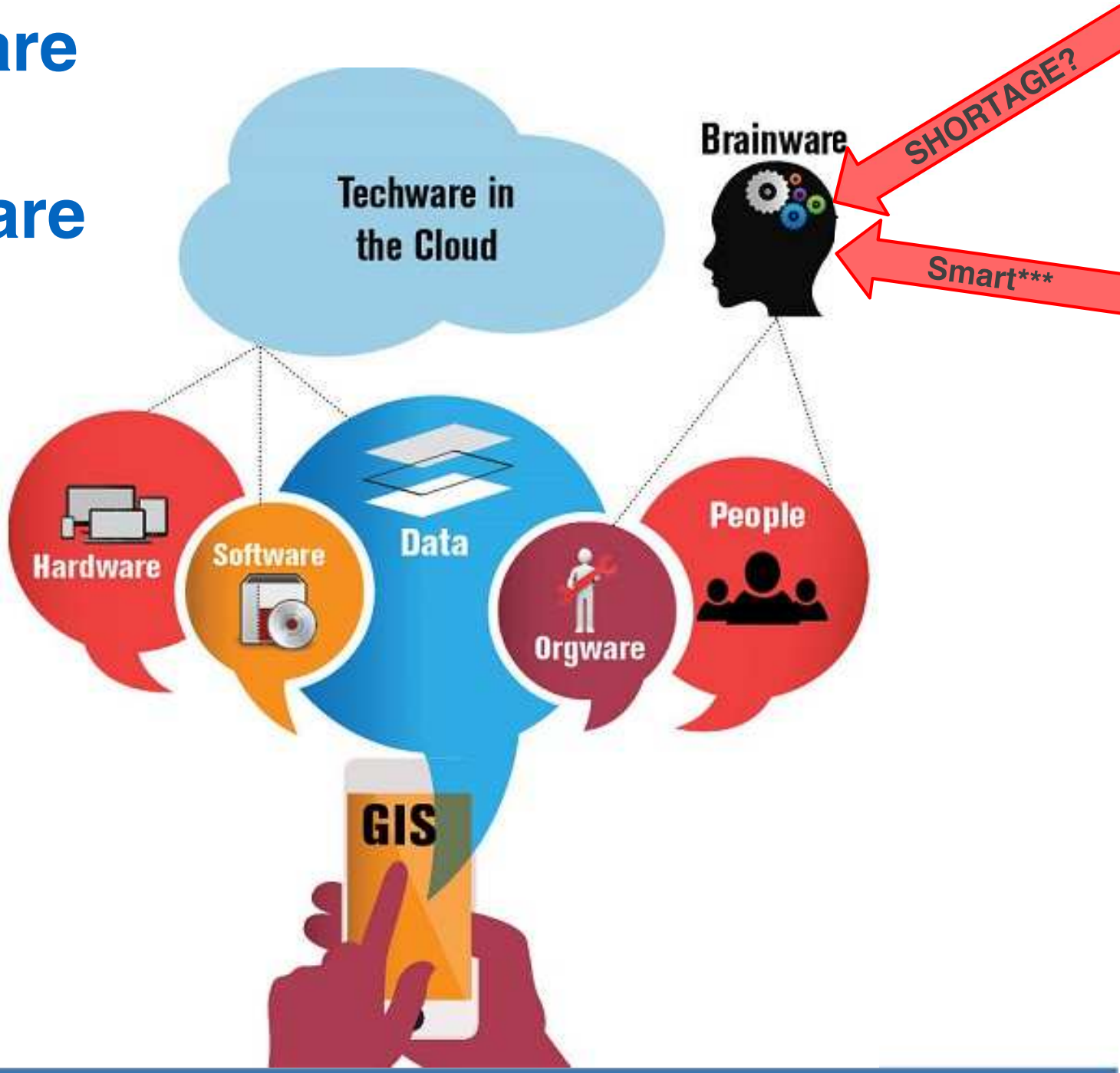


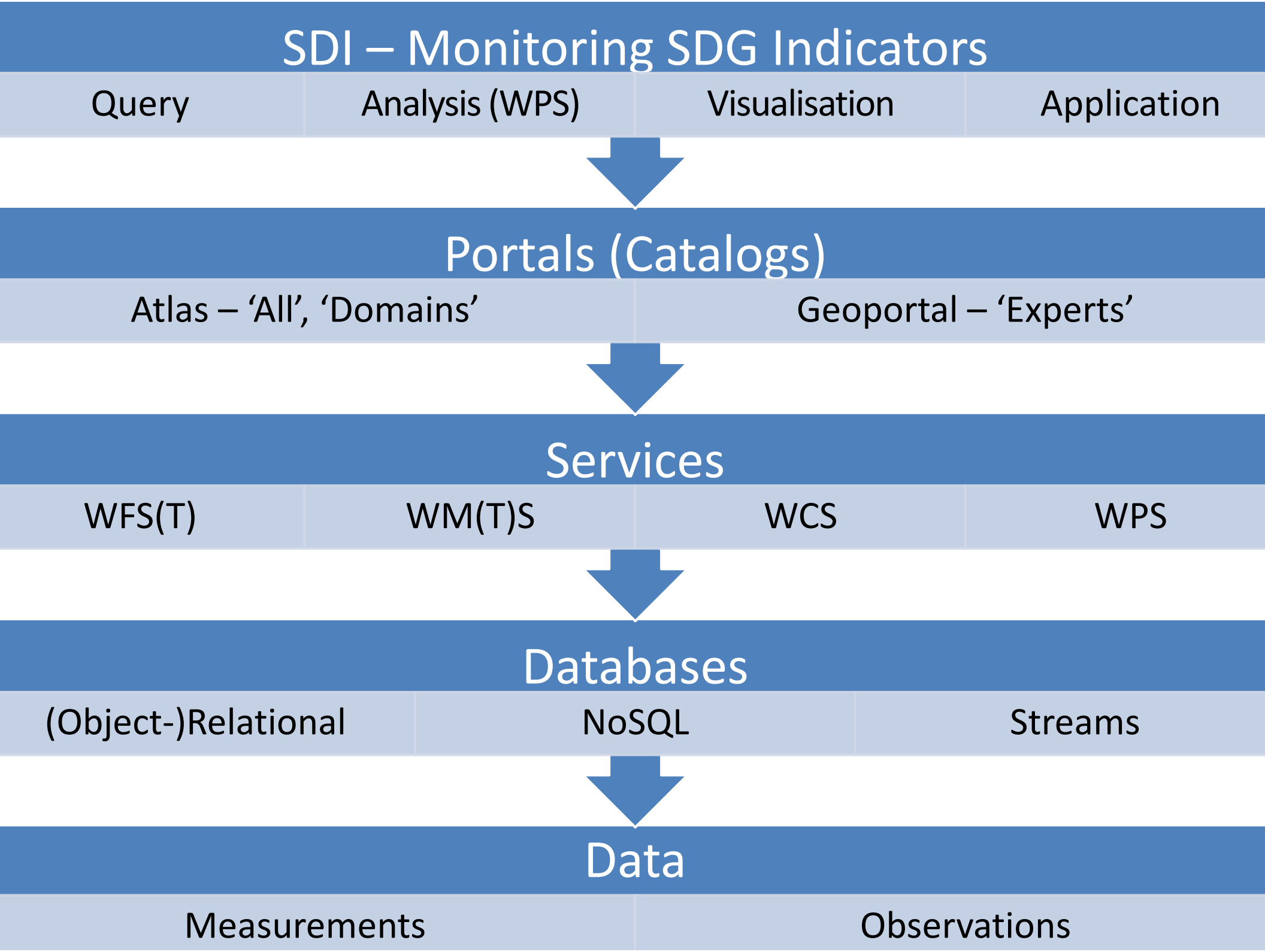




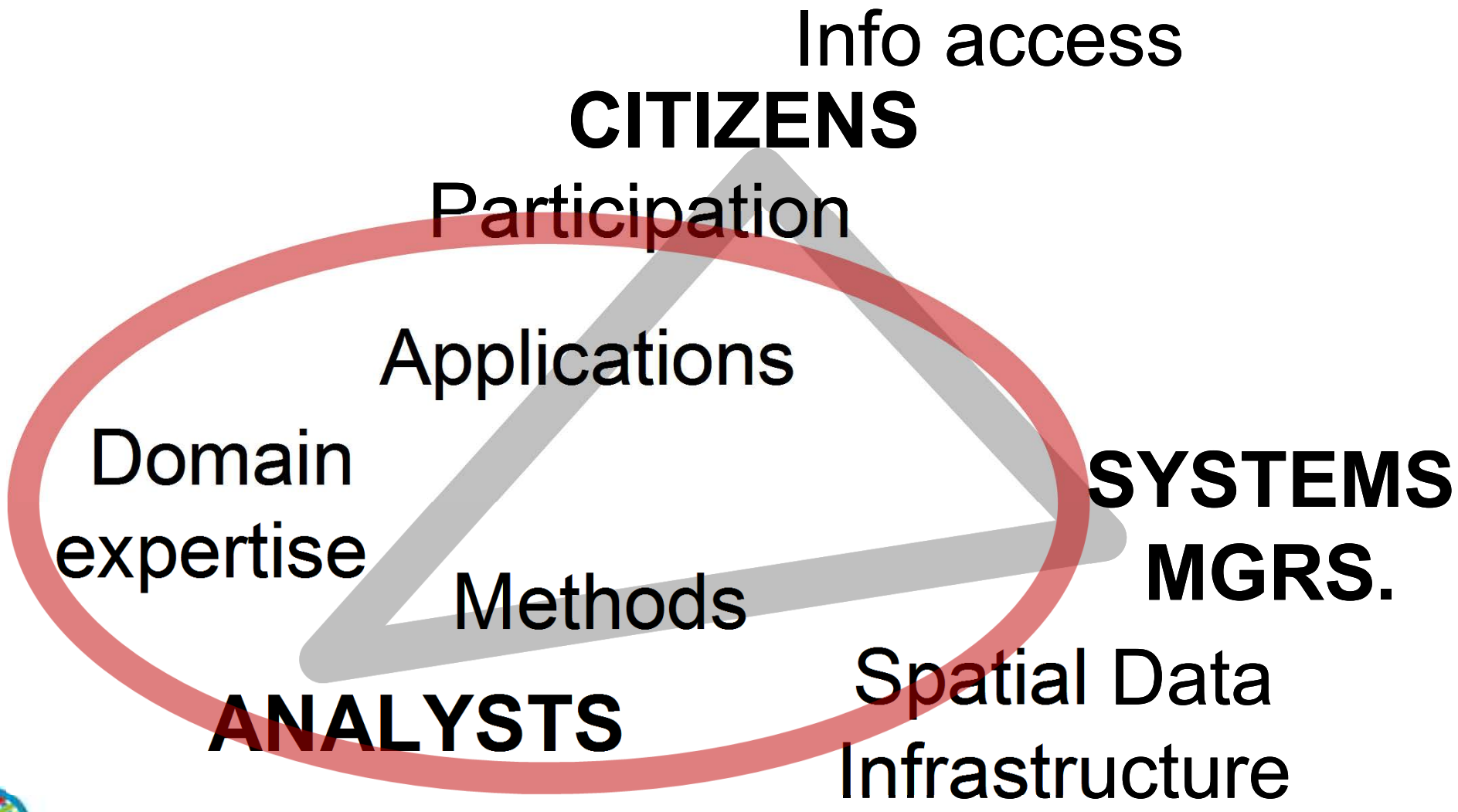

Services
Data
Standards
Network

Techware vs. Brainware




SDI – Monitoring SDG Indicators
Query
Analysis (WPS)
Visualisation
Application
Portals (Catalogs)
Atlas – 'All', 'Domains'
Geoportal – 'Experts'
Services
WFS(T)
WM(T)S
WCS
WPS
Databases
(Object-)Relational
NoSQL
Streams
Data
Measurements
Observations

Target Audience



Education Frameworks

Bachelor Master PhD PD

PostDoc Research

Geoinformatics
GIScience

In-Service Ed

Continuing Ed
Distance MSc

Pg Diploma

Applied
Geoinformatics

Domain Bachelor

GIS Minor

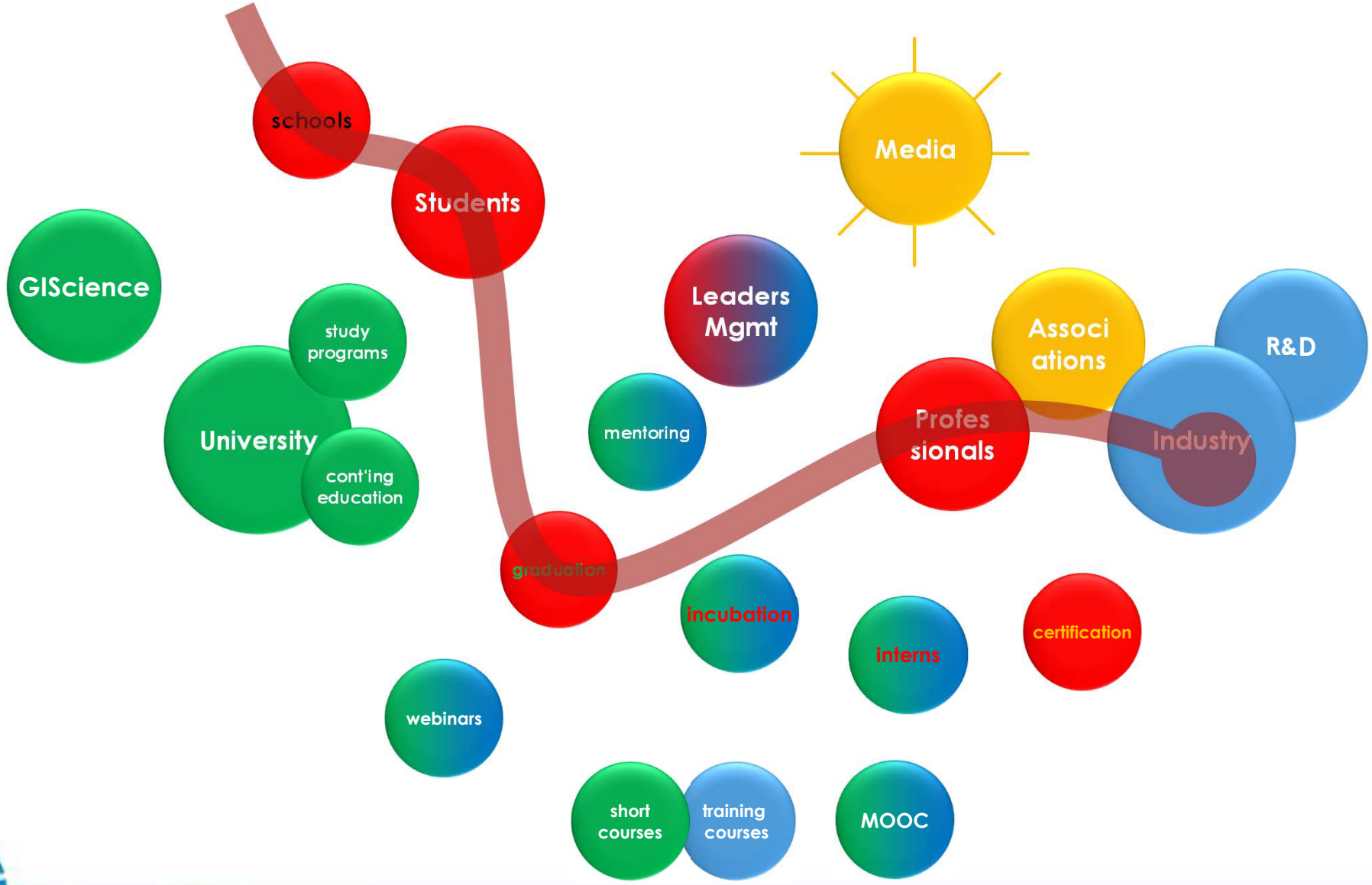
Spatial Thinking

Teacher
Cont. Educ.

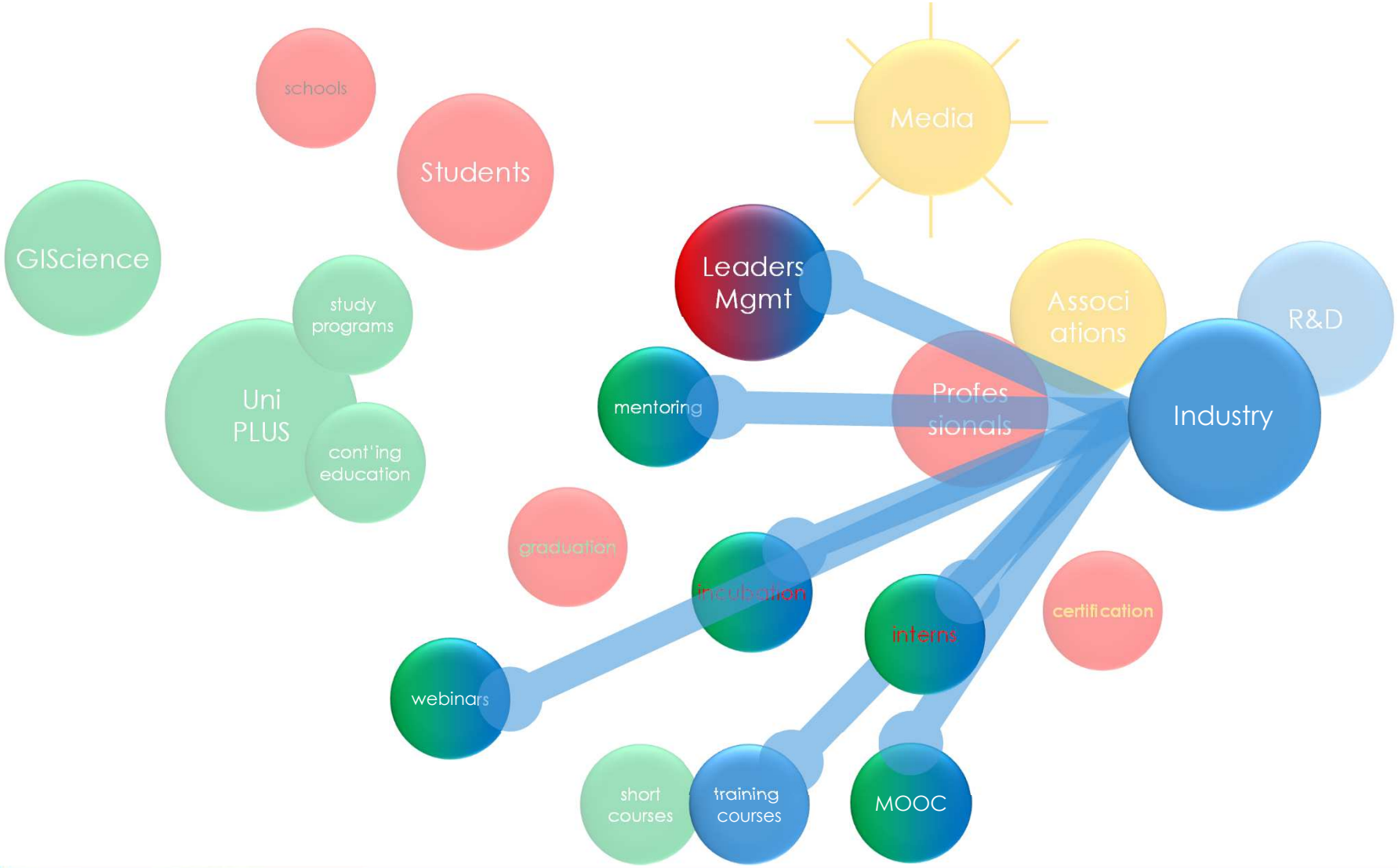
Teacher Ed

digital:earth - GI @ School

Capacity Building Ecosystem



Capacity Building & Industry



Education Measures and Frameworks

International Study Programs

- eg, European Joint Masters Programs

Curriculum Development Initiatives

- ‘Core’, Foundation for Joint Programs, Mobility

Faculty and Student Mobility

- Integrated with Mentoring (!)

Short Intensive Programs

- Summer Schools, Trainings

Remote Sensing

OBIA
Data>Info

ICT

BIG (Earth) DATA

HCI

IoT

GeoDesign

tangible
embodied
situated

Collective Sensing

AR

The Physical Web

Mobile Sensors

Performance Support

Physical Model

iDEAS:lab
Connecting the Real and Virtual Worlds

UN-GGIM
ACADEMIC NETWORK

United Nations
Global Geospatial Information Management (UN-GGIM)
UN-GGIM Academic Network

How to Join

The academic network promotes and strengthens close collaboration between universities and their national geospatial counterparts. Based on this, we encourage you to become a member. To apply, go to the following link and fill out the form in the expression of interest section.

unggim.academicnetwork.org

What Is It?

A formal body constituted as part of the United Nations Global Geospatial Information Management (UN-GGIM). The Academic Network is the strategic knowledge, research and training arm of it.

Objective

The primary objective of the UN-GGIM Academic Network is to support the aims and objectives of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM), as UN-GGIM sets the agenda for the development of global geospatial information and promotes its use to address key global challenges.

The network will facilitate access globally to research and education capabilities for UN-GGIM and its affiliated members in order to identify and respond to challenges and opportunities for UN-GGIM and related UN offices. The UN-GGIM Academic Network will be a coalition of recognized universities and research and education centers involved in research, development and education on geospatial, land information and related matters, run on a volunteer basis.

Work Plan

The Academic Network's initial work plan will focus on the following

- Review of the current UN-GGIM WGs' work plan to identify areas for support and input.
- Promotion of the Network to potential member institutions.
- Registry of current capabilities, degree programs, training programs, research, and courses, relevant to UN-GGIM gathered as part of the membership application process as well as through additional means.
- Establishing a Registry for Education, Training and Research.