

# Strengthening education in space-based remote sensing for monitoring of eco systems in Israel, Azerbaijan, Kazakhstan

Joint Project Curricula Reform

2014  
2015  
2016

[www.sesremo.eu](http://www.sesremo.eu)



## Wider objective of the project

Ensuring that the target universities in AZ, IL and KZ can offer two cycle programmes in space based remote sensing techniques to improve teaching in line with the new development in the area, the market demand and according to the Bologna Process, last recommendations in Bucharest Communiqué and best practice

## Specific project objectives include

- To update the current two cycle curricula in the target area
- To develop, implement and accredit new practice oriented and student-focused core and transferable curricula and modules
- To bring the higher education institutions closer to the labor market

### Academic content

- 8 core curricula
- 4 transferable curricula
- Including remote sensing, sensoric instruments, environmental monitoring & management, GIS, soft skills for engineers, applications of GEONETCast and more

### Innovative learning environment

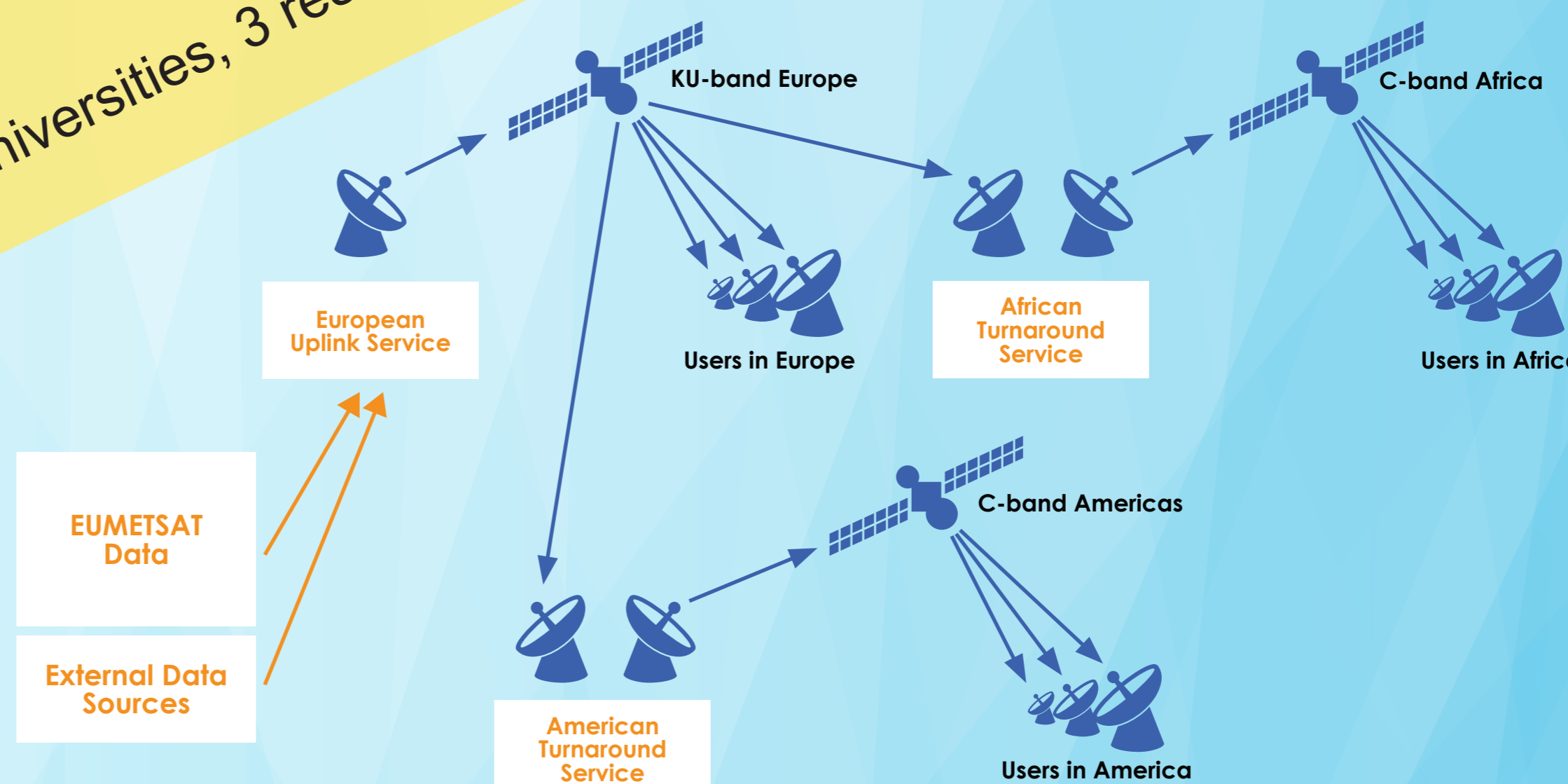
- Joint web platform
- GEONETCast terminals
- Relais-repeater stations (GNT and RRS)

### Linking to the labor market

- ECO Monitoring Service Office (EMSO)
- Monitoring service in earth observation on request
- Courses to retrain engineers in related fields
- Workshops on eco system monitoring for local decision makers

### Consortium

- EU: 3 universities, spin-off enterprise
- IL, AZ, KZ: 9 universities, 3 research/eco-service institutions, 4 GOV organizations



Global dissemination architecture of GEONETCast via EUMETCast, © EUMETSAT



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