MAppEO: The platform to deliver high value business analytics through light-weight Apps

Coastal Monitor App.

MAppEO:
- Address a range of services to support client requirements.
- Minimum of infrastructure requirement at client side.
- Build on cloud infrastructure
- Exploit Earth Observation data stream and other open data.

Coastal challenges:
- Highly dynamic environment at a range of timescales.
- Inaccessible areas and fragile habitat types.
- Deliver important ecosystem and societal services.
- Impacted by many human development pressures.
- People / infrastructure at risk due to climate change.

Earth Observation data:
- Recent increase in EO capacity.
- Regular, reliable monitoring a reality.
- 10 m spatial resolution optical and RADAR images every few days.
- False colour, indicator and thematic.

Copernicus Sentinel-2 optical imagery
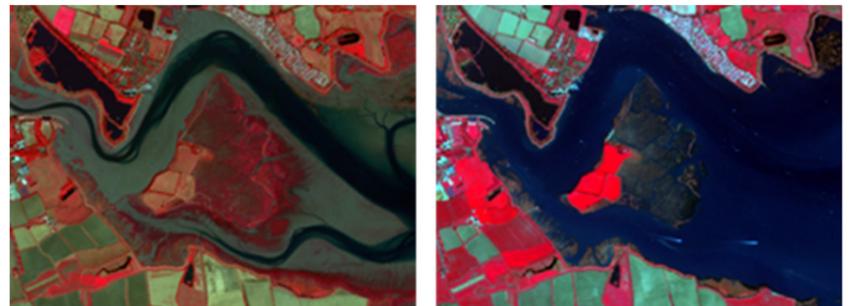
MAppEO Services:
- MAppEO apps will be launched as services.
- Deployable on mobile and desktop devices.
- No new infrastructure on client side.
- Exploitation of cloud processing and web capabilities with free and open access EO data.

Coastal Monitor App.:
- Access to both EO and ancillary data.
- Field and office environments.
- Most up to date cloud free low tide imagery at location.
- Situational awareness support.
- Ability to annotate images for reporting and actionable evidence.

Example web browser interface

SPECTO NATURA Earth Observation Consultancy

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