



Fast Track Service Land

Technical Team Kick-Off – AgriEnv Session Infoterra France

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geoland



European Commission Fast Track Service Land within the GMES initiative in FP-7



■ Concise product description

- Land use changes: indicator quantifying the land use change from agricultural to artificial surfaces between two reference dates – spatial scale to be defined
- Cropping patterns: indicator quantifying the change of area share between annual crops, permanent crops and grasslands between two reference dates – spatial scale to be defined
- Crop rotation pattern: indicator qualifying crop rotation patterns over three consecutive years – spatial scale to be defined

■ State of the art / overview of the methodology

- Based on the analysis of generic landcovers and/or agricultural land use maps produced for the reference years
- Reference years more or less fixed
- Indicator extent: regional or local depending on test sites
- Indicator scale: to be defined with users:
 - Administrative scale: NUTS2/NUTS3
 - Hydrographical scale

■ Related projects

- IRENA + IRENA follow-on
- geoland1, GSE Land



- **Test sites on which the product will be delivered in October 2011**
 - Rhine catchment (local extent)
 - Seine-Normandie catchment (local extent)
 - Guadalquivir catchment (regional and local extent)
 - Struma – Strymonas catchment (regional and local extent) – in collaboration with ReSAC

- **Status on national / regional user interest (*for test site leaders only*)**
 - Interest of French users confirmed (CORPEN, IFEN, AESN)



■ Needs of CMS products

■ BioPar → for SATChMo

- BP-11 for the years 2009, 2010, 2011, 3 dates per year
- Off-line production mode
- Local sites in Rhine, Seine-Normandie, Guadalquivir, Struma-Strymonas catchments to be determined with users – 1 to 2 Spot scenes per site

■ Euroland

- Guadalquivir and Struma-Strymonas catchments: generic landcover on the whole sites (2009, 2011)

■ SATChMo

- Rhine and Seine-Normandie catchments: SM-02 (2009, 2011), SM-03 (2009, 2010, 2011) on the same sites as above
- Guadalquivir and Struma-Strymonas catchments.: SM-03 (2009, 2010, 2011) on the same sites as above

■ Needs of in situ data

- No data needed for the production
- Validation implicit through the validation of CMS products