MARS* in the EU

*Formerly Monitoring Agriculture with Remote Sensing
Now: Monitoring Agriculture and Rural Sustainability

Javier Gallego
MARS Unit, JRC Ispra
JRC’s Mission

“… to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies.

…the JRC functions as a centre of science and technology reference for the EU, independent of special interests, private and national”.
IPSC
Institute for the Protection and Security of the Citizen

Institute for the Protection and Security of the Citizen
Director Stefan Lechner

Cyber-security and new technologies for combating frauds

AGRICULTURE unit
Jacques DELINCE (60 persons)

Technological and Economic Risk Management

European Laboratory for Structural Assessment

Management Support Unit
James GRAY

Humanitarian Security

Non-Proliferation and Nuclear Safeguards
Activities of the AGRICULTURE Unit

4 Actions of the 7th FWP

AGRI4CAST (MARS STAT)  Mars Bulletin
Action Leader: Bettina Baruth
DG AGRI G02, ESTAT

FOODSEC (MARS FOOD AID)  Regions in crisis
Action Leader: Olivier Leo
DG AIDCO ECHO, RELEX

CID  Image distribution in the EU
Action Leader: Par Astrand
DG FISH

MARS PAC  Control of CAP
Action Leader: Simon Kay
DG AGRI J, D1, etc, DG REGIO, ELARG
**AGRI4CAST ACTIVITIES**

**Missions**

- Independent and timely production of estimates for the major European crops

- Crop yield forecasts
  - MARS Crop Yield Forecasting System;
  - PASTURE Monitoring;
  - RICE Monitoring;
  - Infrastructures

- Area estimates
  - LUCAS
  - Risk Assessment
  - Agricultural insurances

- Ad-hoc area-frame surveys
  - OLISTAT, OLIAREA

**Customers**

- DG AGRI
- DG ESTAT
- DG ENLARG
- MS

**Contribute to the Crop Balance Sheet Estimates (offer side) with timely and accurate short term forecasts including weather influence on crop growth**