



The Institute for Environment and Sustainability

Prof. Dr. Leen Hordijk

Director

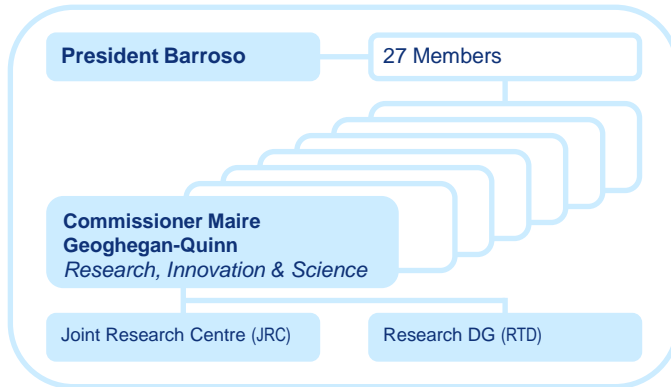
IES Mission Statement

The mission of the Institute for Environment and Sustainability is to provide scientific-technical support to the European Union's Policies for the protection and sustainable development of the European and global environment.



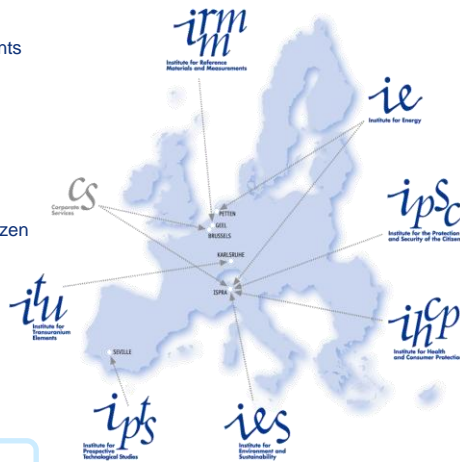
Customers: EC, EEA, EP, Member States, Global Organisations

The JRC is one of the Directorate Generals of the European Commission



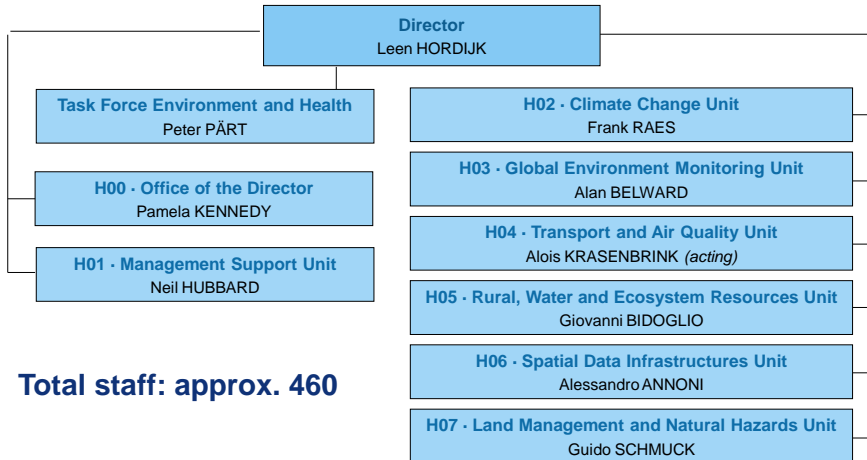
Our Structure: 7 Institutes in 5 Member States

- IRMM** - Geel, Belgium
Institute for Reference Materials and Measurements
- ITU** - Karlsruhe, Germany
Institute for Transuranium Elements
- IE** - Petten, The Netherlands – Ispra, Italy
Institute for Energy
- IPSC** - Ispra, Italy
Institute for the Protection and Security of the Citizen
- IES** - Ispra, Italy
Institute for Environment and Sustainability
- IHCP** - Ispra, Italy
Institute for Health and Consumer Protection
- IPTS** - Seville, Spain
Institute for Prospective Technological Studies



~ 2750 staff
~ 330 M€/y budget (+ 40 M€/y competitive income)

Organisational Chart IES, April 2010



Total staff: approx. 460

Environment and Prosperity

INSPIRE

Sustainable Transport

Life Cycle Assessment



Environment and Solidarity

Marine Environment

Water Quality

Agri-environment

*Soil and Forest
Data Centres*

*Greenhouse Gas
Inventories*



Environment and Security

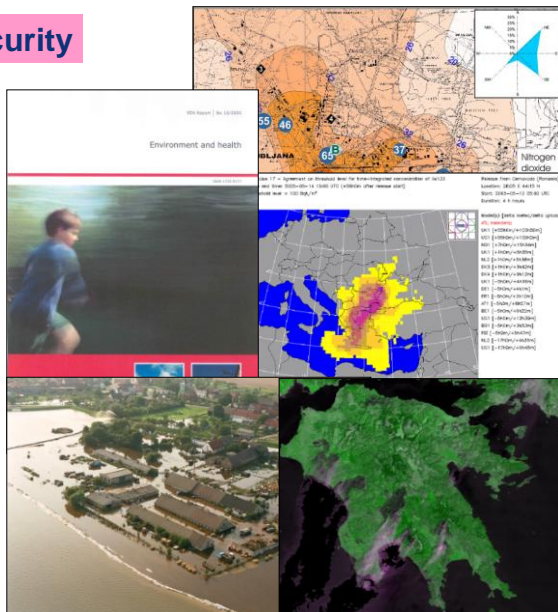
Environmental Pollution

Radioactivity Monitoring

Environment and Health

Floods & Droughts

Forest Fires



JRC
EUROPEAN COMMISSION

Responding to Policy Themes

ies
Institute for Environment and Sustainability

Visit of RCMRD 22-23 April 2010

The Global perspective, including support to Africa

RESEARCH AT JRC in support of EU CLIMATE CHANGE policy making

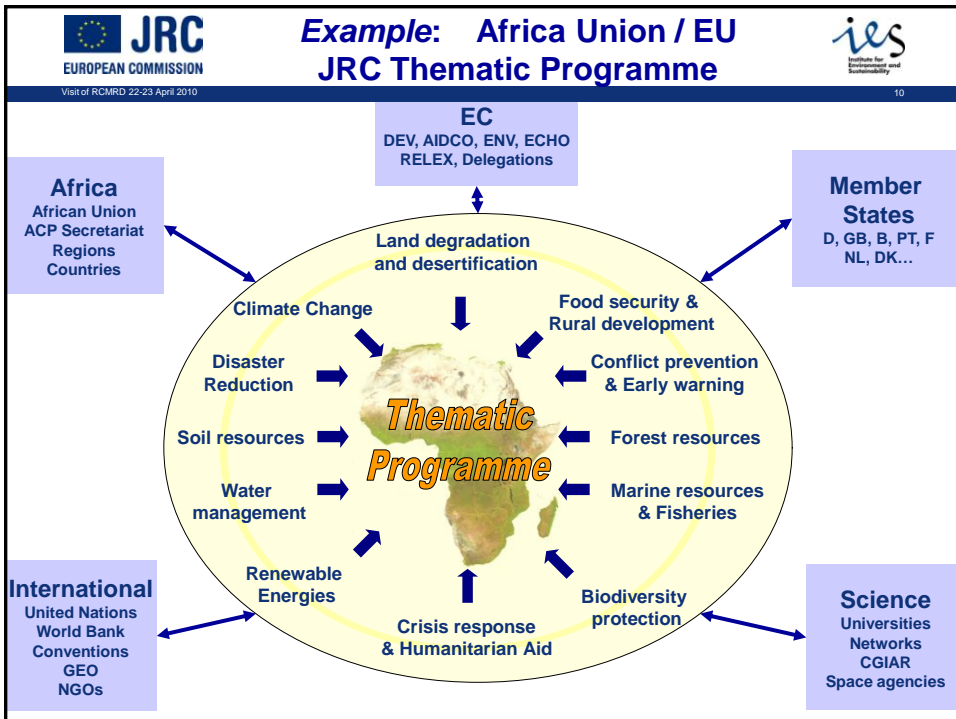
Climate Change

GMES

Deforestation

Desertification

Biodiversity



- **National Institutes**

**PEER Group (ALTERRA, CEH, CEMAGREF, NERI,
SYKE, UFZ, JRC-IES), European Soil Bureau Network,
Air Quality Reference Laboratories**

- **European Institutions**

EEA, ESA, ECMWF

- **African Institutions**

AUC, Regional Economical Centres (REC), RCMRD, ...

- **Global Organisations**

**FAO, WHO, WMO, GEO / GEOS, UNEP, UNFCCC,
UNCCD, UN CBD, IIASA**



- Vehicle Emission Laboratories (VELA 1-7)
- European Reference Laboratory for Air Pollution (ERLAP)
- High Performance Analytical Laboratories, incl. 3 Mobile Labs
- EMEP/GAW Super Site (Climate Monitoring) at the JRC Ispra
- Greenhouse Gas Flux Measurement Towers San Rossore and Parco del Ticino
- Marine measurement stations in the Adriatic and Baltic Sea



- **THE main Ispra site Investment:**
 - 200 staff, 6 main labs, meeting rooms, storage, server room, will host Units H00, H01, H02, H05 and part of H04
 - IES retains 26a, 23/24, 44: (hence, reduced from 14 to 5 buildings!)
 - Designed to high Environmental standards
- **Status:**
 - Approval given by budget committee of Council, awaiting approval of budget committee of Parliament (26 Jan 2010 meeting)
 - The building contract (for 2 buildings, IES and IHCP) is ready to sign
 - The site services contract (“customer’s friend”) is ready to sign



Key Information Systems and Databases

- Technical Secretariat of INSPIRE / European Geoportal
- Water Information System for Europe (WISE)
- European Forest Fire Information System (EFFIS)
- European Flood Alert System (EFAS)
- WMO World Data Centre for Aerosols
- Radioactivity Environmental Monitoring Database (REM)
- European and Africa and Northern Circumpolar Soil Database
- Global Land Cover 2000 Database
- Assessing protected areas in Africa – Tool (APAAT)
- EU Water Initiative Communication and Information System (EUWI-CIS) & *AquaKnow* project
- Database on burnt areas in Africa

Broad Customer Base

- DG Environment & DG Climate Action
- DG Agriculture and Rural Development
- DG MOVE
- DG External Relations,
DG Development, DG EuropeAid
- DG Regional Policy
- DG Eurostat
- DG Research
- DG Enterprise and Industry
- DG Health and Consumer Protection
- European Environment Agency
- African Organisations (AUC, RCMRD, RECs, etc.)
- UN Organisations (UNEP, WMO, FAO etc.)



Thank you!



Leendert.Hordijk@ec.europa.eu

<http://ies.jrc.ec.europa.eu>