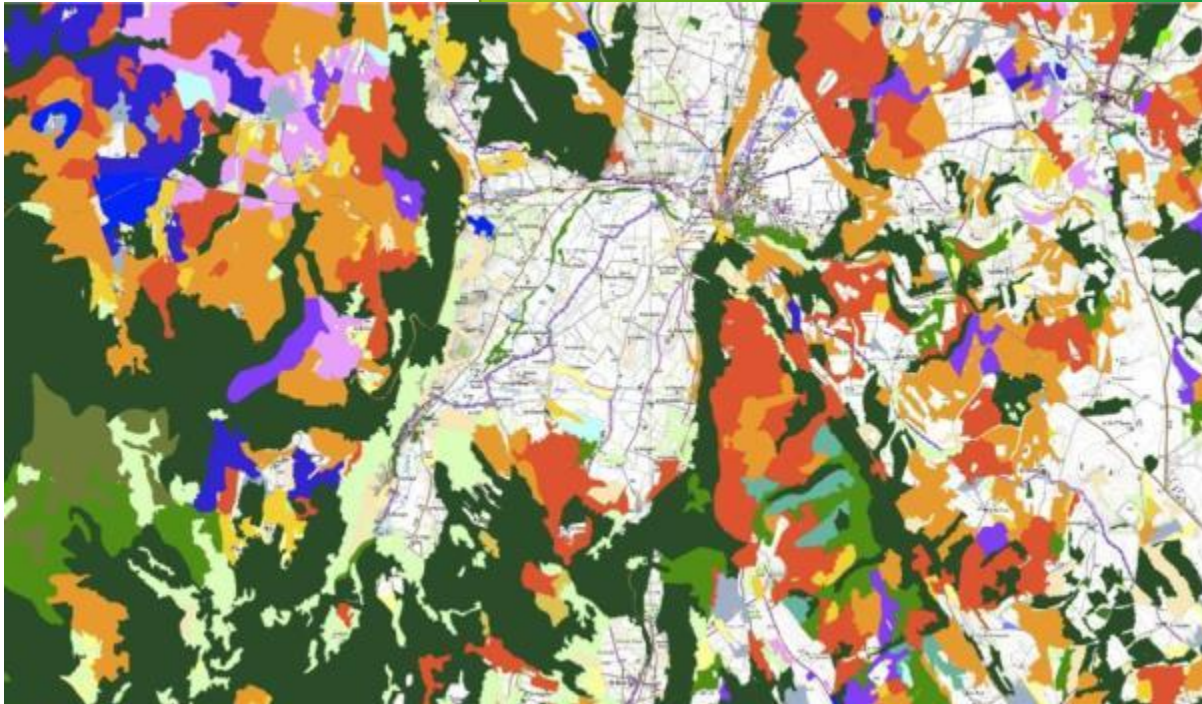


## ADVOCATE NMCAs RELEVANCE IN COPERNICUS TO YOUR NATIONAL GOVERNMENT



F. Chirié IGNF

© IGN

# PLAN

- What dynamics in Europe ?
- What impact on NMCA's?
- What should EG & NMCA's do to position themselves in this dynamics and influence it?
- What EG & NMCA's already do in Europe?



WHAT DYNAMICS IN  
EUROPE ?

# THE IMPORTANCE GIVEN BY EUROPEAN INSTITUTIONS TO GEOSPATIAL INFORMATION

## Copernicus Programme

- European Union's Earth Observation Programme, looking at our planet and its environment
- Aim: meeting **needs for geospatial information** from **EU public policies** (climate, environment e.g. water, risk management, agriculture, etc.)
- Offers information services based on **satellite data** and (non-space) **in situ data**
- Budget > 600 M€ per year

# THE IMPORTANCE GIVEN BY EUROPEAN INSTITUTIONS TO GEOSPATIAL INFORMATION (CONT.)



IGN Orthoimagery



Copernicus Orthoimagery

## Copernicus Programme (cont.)

- Produces more and more detailed geospatial data
  - Since 2015: Ortho-imagery VHR 50 cm resolution Pan-European coverage
  - Project 2018: Pan-European DEM 10 metres resolution
  - Project 2018: Large scale land cover and land use data (CLC2G)

## In medium term: Geospatial information for transports

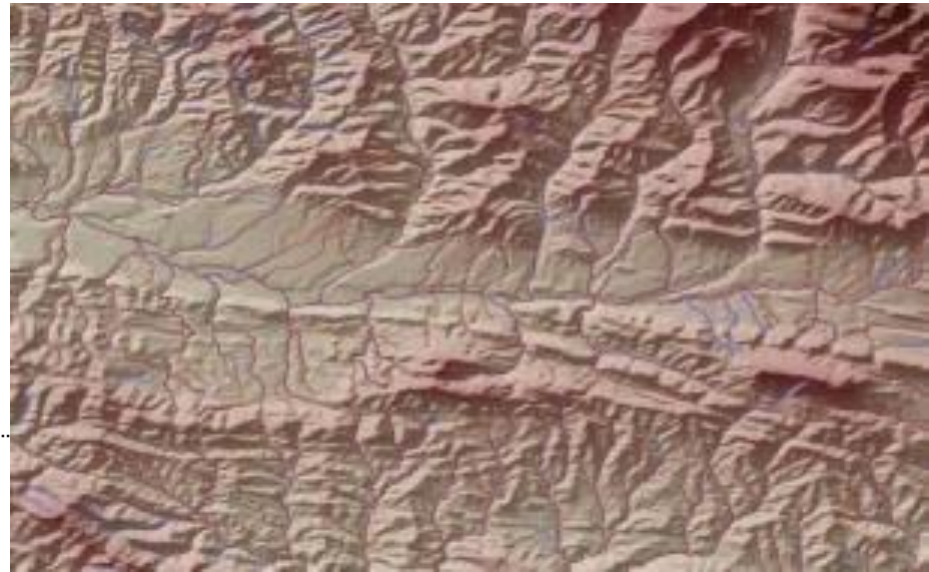
- Autonomous vehicles - Services offered by Galileo

# COPERNICUS DIVERGING FROM NMCA<sub>s</sub>

- NMCA<sub>s</sub> focusing on national issues
  - 📍 European institutions begin to seek pan-European data
  - 📍 European impact on NMCA<sub>s</sub> will increase
- Copernicus most often not integrating NMCA<sub>s</sub> reference data
  - 📍 Preferred option:
    - ITT to industry
    - Start from scratch
  - ➔ Copernicus Production predominantly procured to Industry

# COPERNICUS DIVERGING FROM NMCAAs (cont.)

- Copernicus geospatial data redundant with NMCAAs reference data
- Copernicus image acquisition Programme not coordinated with those from Member States
- No action complementarity, no effort sharing
- No consistency between respective reference data





WHAT IMPACT ON  
NMCA's?



# IMPACT ON NATIONAL GEOSPATIAL PROGRAMMES

Member States are **funding** the collection of geospatial information **twice**

- European Geospatial Programmes + National Geospatial Programmes

European Geospatial Programmes more and more demanding and costly

- E.g. CorineLandCover: budget doubled for European integral funding
- European Geospatial Programmes have the means to be autonomous

Economic Constraints → Member States will have to chose

- Align themselves with European Geospatial Programmes?
- Remove National Geospatial Programmes?



WHAT SHOULD EG &  
NMCAs DO TO  
POSITION  
THEMSELVES IN  
THIS DYNAMICS AND  
INFLUENCE IT?

# WHAT TO DO?

## Vision with 3 levels to be a **credible actor**

- Convergence of NMCAAs
- European level
- National level

# WHAT TO DO?

## CONVERGENCE OF NMCAAs

Interoperability, harmonisation, coherence

Core Reference Data

Next Copernicus European DEM 10 metres

ELS Platform

INSPIRE

UNGGIM Europe Core Data

# WHAT TO DO?

## EUROPEAN LEVEL

EG spokesman, ambassador

→ Unique voice to dialogue with EU Institutions

EuroGeographics has direct contacts

with DG Grow, EEA, Parliament

However, EuroGeographics has **no formal voice**

The Commission does not have to listen to EuroGeographics

Commission must listen to MS

# WHAT TO DO?

## NATIONAL LEVEL

EG positions cannot succeed without MS support in Council

MS support can only be triggered by NMCA's liaising with national Representatives

Need to encourage national representatives to:

- 📍 Support the use of MS reference data in Copernicus
- 📍 Advocate better cooperation and complementarity between Copernicus and NMCA's

Concerns addressing the organisational and national interest

NMCA's focusing on national issues while European institutions seek pan-European data

Member states are funding the collection of geospatial information twice

→ Essential: NMCA's communicate with their national Representatives to express their concerns

# WHAT TO DO?

## NATIONAL LEVEL (CONT.)

### NMCA liaising with national Reps: fully inline with NMCA missions

NMCAs missions: supporting their respective governments in the matter of geospatial information for public policies

National representatives in Copernicus are keen to be supported by national competent public agencies such as NMCAs



4

WHAT EG & NMCAS  
ALREADY DO IN  
EUROPE?



# EUROGEOGRAPHICS & MEMBERS OPERATIONAL ACTIONS

## Pan-European Products at small and medium scale

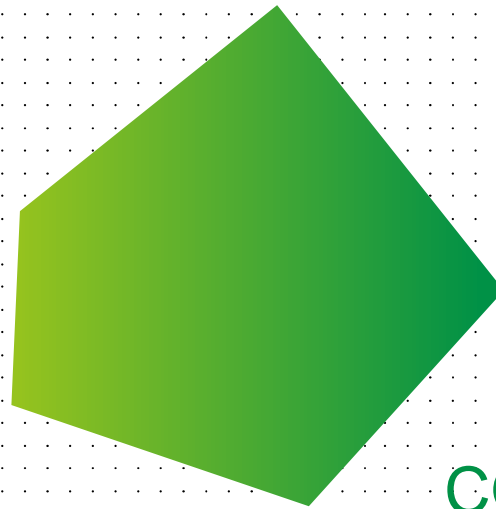
- Edge-matched at boundaries, harmonised content
- Minimal: scale does not match with public policy stakes targeted by Copernicus

## ELS Platform

- Unique access point
- Edge-matched at boundaries
- Minimal: no content harmonisation + uncomplete coverage

→ Need to setup Large-scale European Core Data

→ Need to increase European coverage



CONCLUSION

# CONCLUSION: WHAT TO DO?

## Strategic choice: pay attention to European context

- Be aware of the full range of **impacts that Copernicus may have on NMCAs**
- Understand both risks and opportunities presented by Copernicus

## Reinforce operational actions connected to EuroGeographics to have an impact at European level

- “Deliver or die” → demonstrate EG & NMCAs capabilities to meet Copernicus requirements
- **Harmonising contents: Core Reference Data**
- ELS Platform

# CONCLUSION: WHAT TO DO? (2) COPERNICUS

## Find the proper positioning in Copernicus

- **Assistance and technical expertise**
  - 📍 Influence Copernicus towards convergence with national infrastructures
  - 📍 Upstream: contribute to Copernicus specifications
  - 📍 Downstream: validate Copernicus products
- **Reinforce complementarity** and linkage between NMCA large scale reference data and Copernicus large scale reference data

## Influence Copernicus ongoing initiatives

- Production of CorineLandCover 2018
- European DEM
- VHR Orthoimagery

**NMCAs communicate with their national Representatives in Copernicus**

# HOW TO FIND OUT YOUR REPRESENTATIVE IN THE COPERNICUS USER FORUM?

## Register of Commission Expert Groups

<http://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetail&groupID=2584>



The screenshot shows the 'Register of Commission Expert Groups and Other Similar Entities' website. The page is titled 'REGISTER OF COMMISSION EXPERT GROUPS and Other Similar Entities'. The breadcrumb trail is 'European Commission > Register of Commission expert groups and other similar entities > Group Details'. The page is for 'Group Details - Other Similar Entity' with the name 'Copernicus User Forum (X02584)' and status 'Active'. A table titled 'Type D - Member State Authority' lists members by country and membership status.

Country	Membership Status
Austria	3 Public Authorit(y-ies) Member
Belgium	2 Public Authorit(y-ies) Member
Bulgaria	3 Public Authorit(y-ies) Member
Croatia	1 Public Authorit(y-ies) Member
Cyprus	1 Public Authorit(y-ies) Member
Czech Republic	3 Public Authorit(y-ies) Member
Denmark	2 Public Authorit(y-ies) Member
Estonia	2 Public Authorit(y-ies) Member
Finland	2 Public Authorit(y-ies) Member
France	1 Public Authorit(y-ies) Member
Germany	6 Public Authorit(y-ies) Member
Greece	2 Public Authorit(y-ies) Member

# HOW TO FIND OUT YOUR REPRESENTATIVE IN THE COPERNICUS USER FORUM?

## Register of Commission Expert Groups

<http://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetail&groupID=2584>

The screenshot shows a web browser window displaying the 'Register of Commission Expert Groups and Other Similar Entities' page. The page is in English (en) and shows the details for a specific member group. The browser's address bar shows the URL: <http://ec.europa.eu/transparency/regexpert/index.cfm?do=memberDetail.memberDetail&memberID=33029&orig=group>.

The page header includes the European Commission logo and the title 'REGISTER OF COMMISSION EXPERT GROUPS and Other Similar Entities'. Below the header, a breadcrumb trail reads: 'European Commission > Register of Commission expert groups and other similar entities > Member Details'.

The main content area is titled 'Member Details' and includes a 'Return to Search Results' link. The details are organized into sections:

- Member Type:** Type D - Member State Authority
- Country:** Austria
- Public Authorities:** Umweltbundesamt GmbH
- Representatives:** Herbert Haubold (male)
- Austrian Ministry for Transport, Innovation and Technology**
- Representatives:** Christian Fuchs (male)
- Austrian Research Promotion Agency**
- Representatives:** Thomas Geist (male)
- Membership Status:** Member / [Copernicus User Forum](#)

A sidebar on the left contains links to 'Home', 'How is the register organised', 'Expert groups explained', 'Quick search', 'Advanced search', 'News', 'Meetings', 'Calls for applications', 'Contact the register', and 'Download'.

# HOW TO FIND OUT YOUR REPRESENTAT IVE IN THE COPERNICUS COMMITTEE?

MEMBER STATE	ORGANISATION
AUSTRIA	Österreichische Forschungsförderungsgesellschaft mbH – Agentur für Luft- und Raumfahrt FFG-ALR
	Federal Ministry of Transport, Innovation and Technology
BELGIUM	Belgian Federal Science Policy Office (BELSPO)
CROATIA	Permanent Representation in Brussels
CYPRUS	MOT – Dept. of Electronic Communications
CZECH REPUBLIC	Ministry of the Environment
DENMARK	Danish Agency for Science, Technology and Innovation SDFE
FINLAND	Finnish Meteorological Institute
FRANCE	Ministère de l'Enseignement Supérieur & Recherche
	Ministère de l'Ecologie, du Développement durable & de l'Energie
	CNES
GERMANY	Ministry of Transport and Digital Infrastructure, BMVI
	DLR - Deutsches Zentrum für Luft- und Raumfahrt
IRELAND	Maynooth University
ITALY	MIUR - Ministry for Education Universities and Research
	ISPRA
	ASI (Italian Space Agency)
	Presidency of Council of Ministers
LITHUANIA	Permanent Representation of Lithuania to the EU, Brussels
MALTA	Malta Planning Authority
NL	NL Space Centre
	Ministry of Economic Affairs
NORWAY	Norwegian Space Centre
	Ministry of Climate and Environment
PORTUGAL	FCT-Foundation for Science and Technology
ROMANIA	Romanian Space Agency
SLOVAKIA	Ministry of Environment
SPAIN	Ministry of Economy, Industry and Competitiveness CDTI (Centro para Desarrollo Industrial)
SWEDEN	Swedish National Space Board
UNITED KINGDOM	DEFRA
	UK Space Agency

# WHAT DO YOU NEED FROM US TO SUPPORT YOU TO ENGAGE WITH YOUR REP?

## Practical Documents?

Letter template?

Information sheet?

Else?



# THANK YOU FOR YOUR ATTENTION