



MINISTRY OF
AGRICULTURE

NRC SOIL – actualities

Gábor HASZNOS

expert on remediation and contaminated land
management

gabor.hasznos@fm.gov.hu

EIONET WORKSHOP BUDAPEST 19/04 /2018



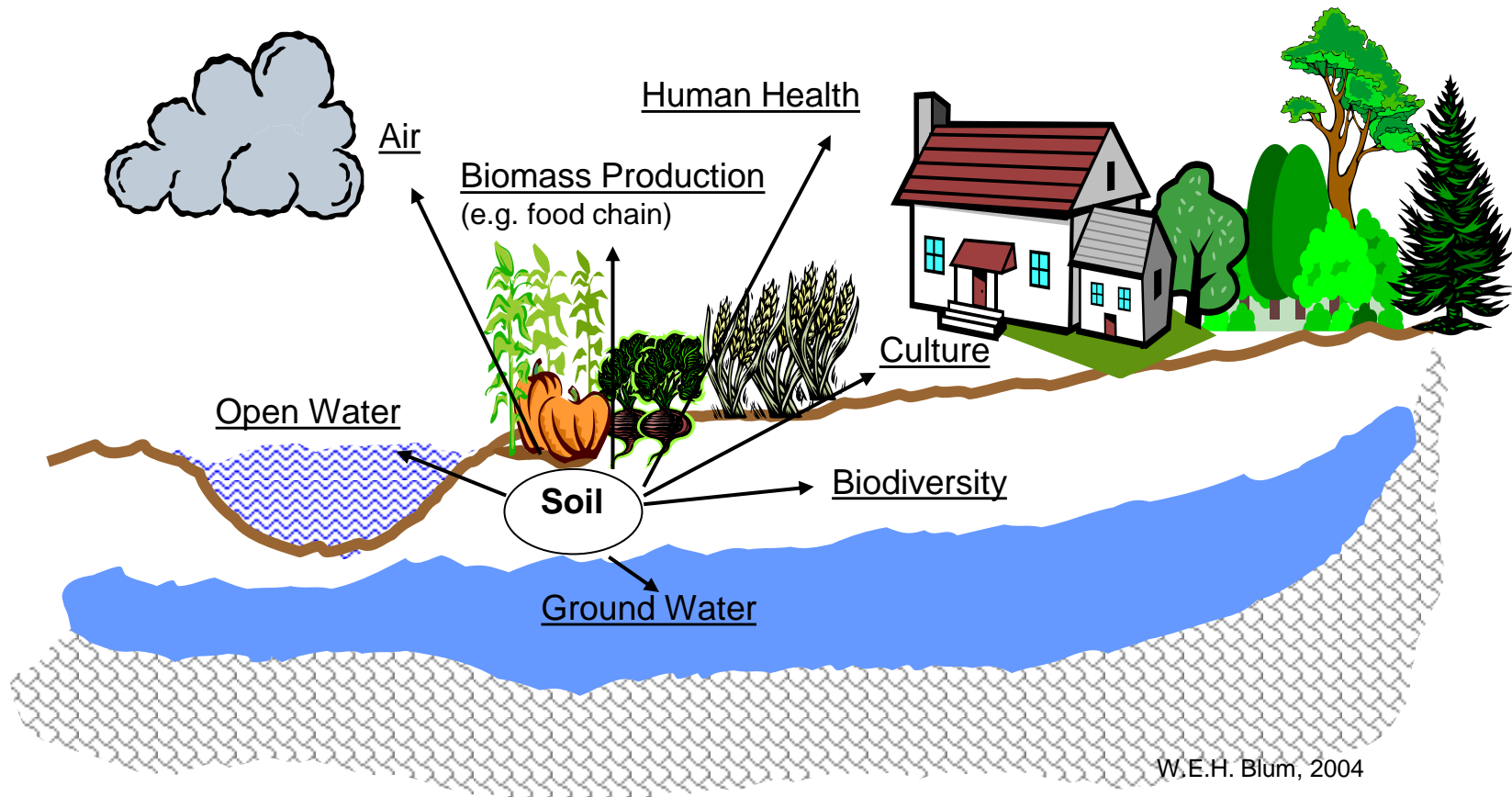
NRC SOIL - workshop

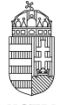


23-24/January/2018 / Copenhagen

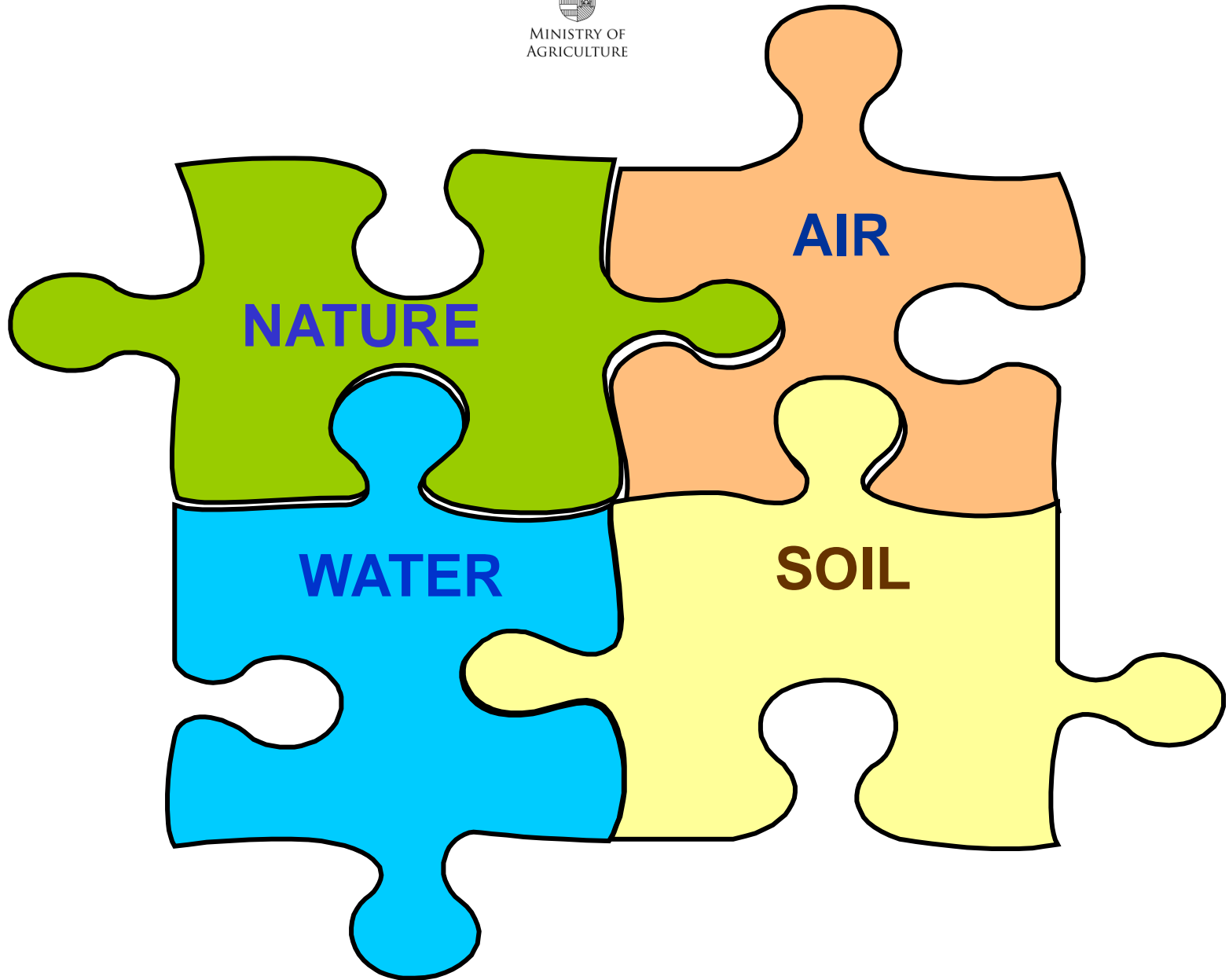
- Soil policy development (achievements, gaps, goals and tasks)
- SOER 2020 – new challenges for soil indicators
- Different aim of **soil** and **land** indicators
- Contaminated land management – **LSI 003** and **CSI 015**
- The new UN FAO soil mapping results (soil organic matter)
- Pesticides and fertilizers in soiletc.

SOIL PROTECTION





MINISTRY OF
AGRICULTURE



Achievements under the Thematic strategy

Integration



Soil in CAP

- Cross-compliance and Good Agricultural Practices
- Greening
- Rural Development

Soil in EU environmental policies

- WFD, nitrates, waste, IED, ELD, biodiversity etc.

Regional policy – urban sustainable development

2007-2013: EUR 3.4 billion for the rehabilitation of industrial sites and contaminated land areas



SOER 2020 Integrated State of the Environment Assessment structure

Soil functioning, ecosystems services

- ✓ Metals in plants
- ✓ Human exposure
- ✓ Cost of prevention, remediation
- ✓ Responses of soil biota

Input/sources:

- JRC, ETC ULS, research
- Country-/regional level
examples: evidence, monitoring assessments

Soil degradation/Soil threats

State Indicators

- ✓ Pollutants in soils accumulating (fertilizer, pesticide use, emissions)
- ✓ Eutrophication: Feedback N and P cycles
- ✓ Nutrient loss ?
- ✓ SOC gains? GHG : role of organic soils
- ✓ Erosion: trends
- ✓ Role of compaction under-assessed and under estimated

European Environment Agency 



THE EUROPEAN ENVIRONMENT
STATE AND OUTLOOK 2015

SYNTHESIS REPORT



Remediated sites (Status 3 & 6) per km² of artificial surface

0,0 - 0,291

0,292 - 1,692

1,693 - 3,792

3,793 - 9,766

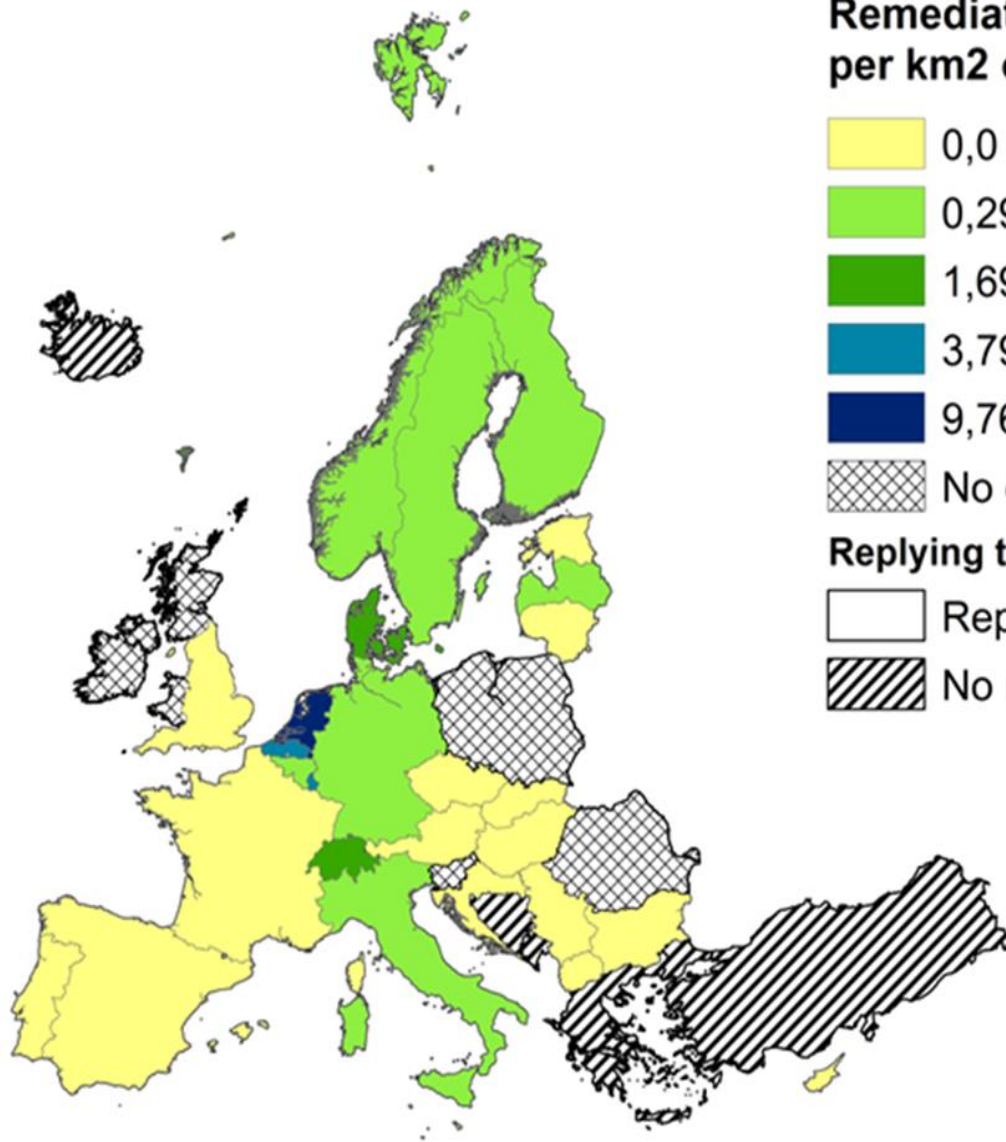
9,767 - 30,681

No data provided

Replying to the Questionnaire 2016

Replying countries

No replied



0 500 1.000 2.000 Kilometers

Coordinate System: ETRS 1989 LAEA
Projection: Lambert Azimuthal Equal Area
Datum: ETRS 1989
False Easting: 4.321.000,0000
False Northing: 3.210.000,0000
Central Meridian: 10,0000
Latitude Of Origin: 52,0000
Units: Meter

European achievements in **soil remediation** and **brownfield redevelopment**

*A report of the European Information
and Observation Network's
National Reference Centres
for Soil (Eionet NRC Soil)*

Editors

Ana Payá Pérez
Sara Peláez Sánchez

2017



EIONET NRC Soil Meeting 23-24/January/2018 / Copenhagen



Thank You for Your kind attention!