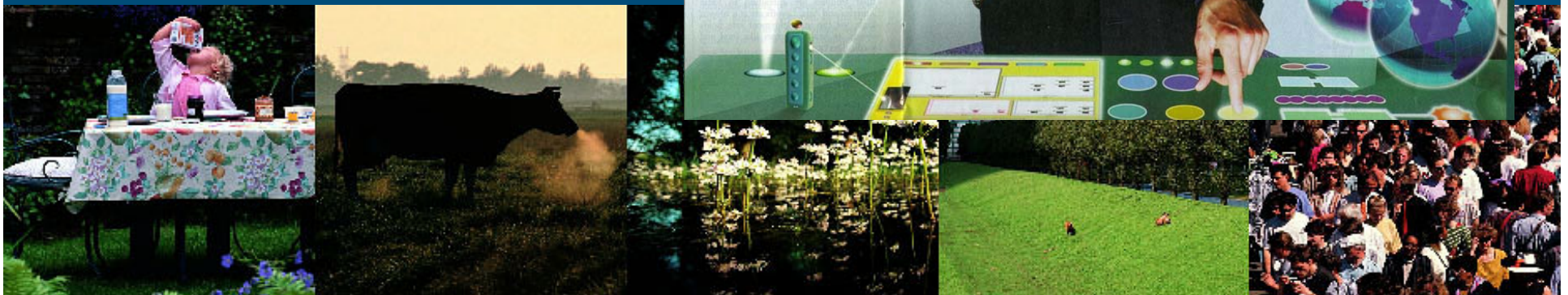


# PEER METIER

## Geo Visualization

- welcome -

Ron van Lammeren - 2007



# PEER welcomes YOU

---



Natural Environment Research Council -  
Centre for Ecology and Hydrology



European Commission - Joint Research Centre  
Institute for Environment and Sustainability



National Environmental Research Institute

Finnish Environment Institute



S Y K E



Centre for Environmental Research

# Geo-Visualization domain

---

Augmented reality

Web mapping

Virtuality

Landscape Visualization

Exploratory data analysis

Data mining

Virtual reality

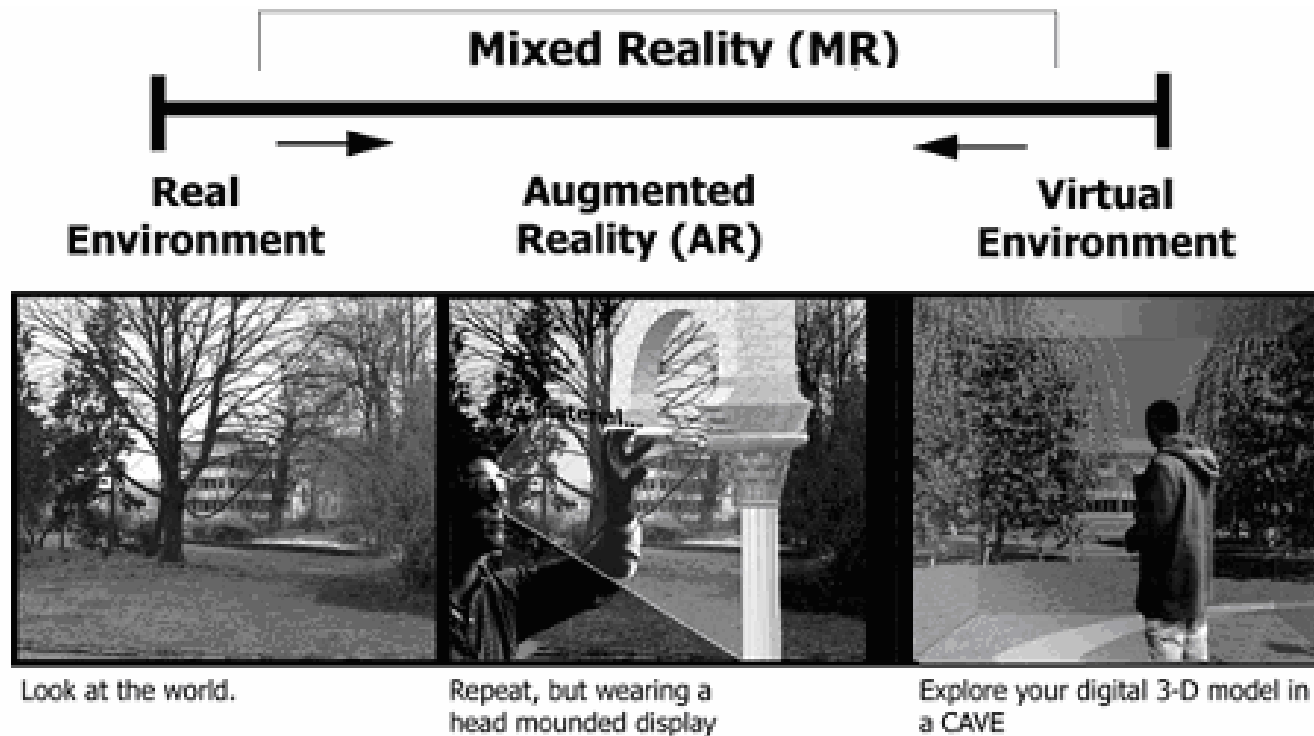
Scientific geo-visualization

Visual analytics

Digital Cartography



# Reality-Virtuality continuum



## Reality-Virtuality (RV) Continuum

Milgram (1994), Nothelfer (2002)

volc

# Week Program

	Sunday december 9th	arrival	12.00 - 22.00		
	Monday december 10th	Tuesday december 11th	Wednesday december 12th	Thursday december 13th	Friday december 14th
<b>theme</b>	<b>GeoVisualization concepts</b>	<b>2D Visualization of changes</b>	<b>3D Visualization of the environment</b>	<b>Visual analytics &amp; exploratory data analysis</b>	<b>GeoVisualization: Do and don'ts</b>
lead	dr ir Ron van Lammeren	drs Barend Köbben	dr Philip Paar	prof dr Gennady Andrienko	prof dr Stephen Sheppard
<b>9.00 - 10.30</b>	<b>welcome, housekeeping, expectations; lecture 1 aims of the course - introduction</b>	<b>lecture 2: geovisualisation of temporal data</b>	<b>lecture 4: 3D geovisualisation: a matter of realism</b>	<b>lecture 6: visual analytics</b>	<b>lecture 9: visual ethics</b>
10.30 - 11.00	coffee break	coffee break	coffee break	coffee break	coffee break
<b>11.00 - 12.15</b>	<b>posters; visit de Haaf; student poster presentation</b>	<b>practical 2: mapping time series</b>	<b>practical 3: from geodata into 3D visualisation</b>	<b>lecture 7: visual analytics -2</b>	<b>practical 5: visual ethics</b>
12.30 - 13.30	lunch	lunch	lunch	lunch	lunch
lead			dr Wieland Röhricht	prof dr Stephen Sheppard	
<b>13.30 - 15.30</b>	<b>welcome by Kees Slingerland, director of WUR-ESG /Alterra By 14.00 assignments</b>	<b>lecture 3: geovisualisation of temporal data 2</b>	<b>lecture 5: geovisualisation of vegetation</b>	<b>lecture 8: principles and frameworks</b>	<b>your research agenda, wrap up, course evaluation and feedback</b>
15.00 - 15.30	tea break	tea break	tea break	tea break	end of winter school
<b>15.30 - 17.00</b>	<b>tutorial groups, assignments &amp; independent learning</b>	<b>tutorial groups, assignments &amp; independent learning</b>	<b>practical 3: from geodata into 3D visualisation</b>	<b>practical 4: ethics of Google Earth</b>	
18.00 - 22.00	19:00 group dinner	19.30 group dinner	dinner at your own	17:30 city tour 19.30 group dinner	dinner at your own



# Day program - 1

---

9.30 - introduction - course overview - expectations

10.00 - introductory lecture

10.30 - coffee break / postering

11.00 - postering

11.30 - Haaf visit / budget items

12.30 - lunch



# Day program - 1

---

13.30 - practical 1

15.00 - coffee / tea break

15.30 - coffee break / poster

17.00 - end of the day

19.00 - Course dinner at WICC



WAGENINGENUR  
For quality of life



# Course site

---

- <http://webgrs.wur.nl/cgi/courses/metier4>

# Experiment



# Why visualise

---

- To motivate
- To demonstrate an idea
- To create mental models out of spatial elements and their relations
- To put information in a (spatial) context

[ Dransch, 2000; Bill, 2001]

Random

# Contents

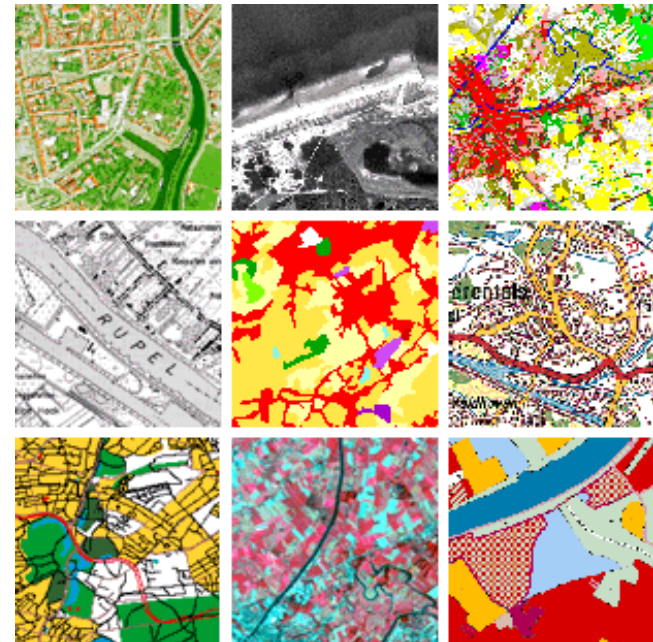
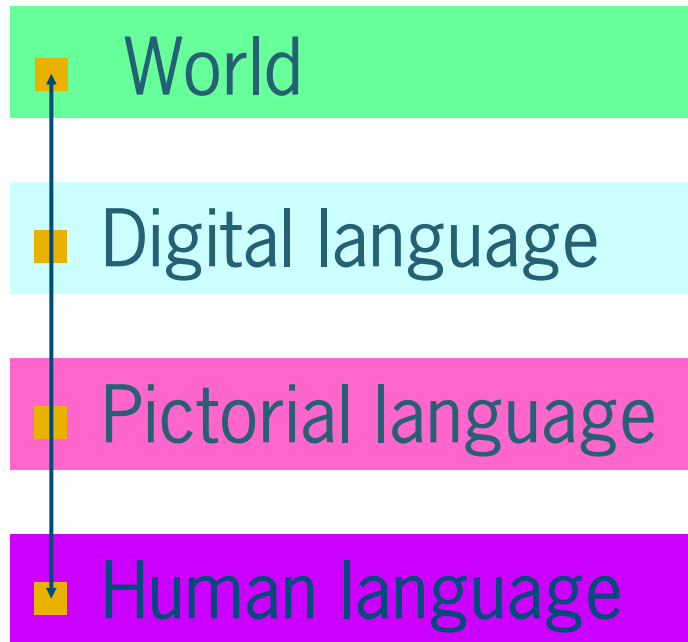
---

- Geo-visualization
- Types of geo-visualization
- Interacting by interfaces
- Role of geo-visualization
- Usability and perception
- Constructing visualizations
- Visualization perspectives





# World and Humankind



history