



This project has received
European Regional
Development Funding
through the INTERREG III B
Community Initiative



Interreg III B

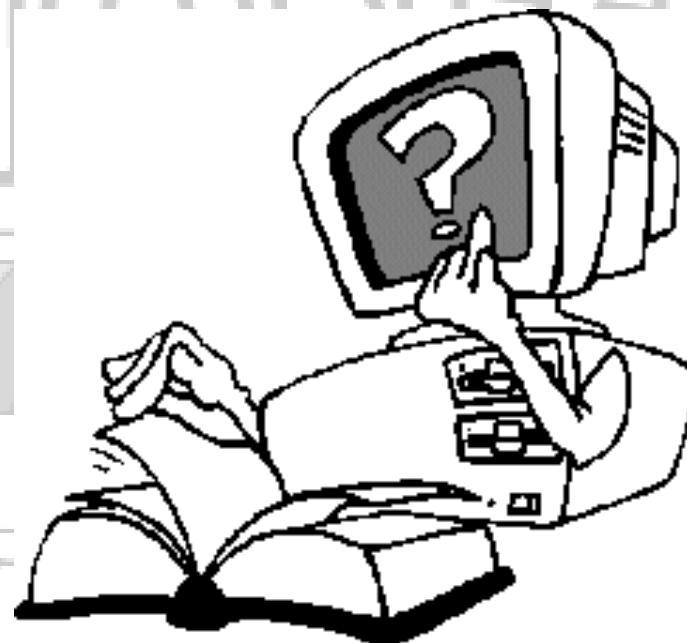
EURAC
research



Data Infrastructure for the Alps: Mountain Orientated Network Technology

Progress report: Indicators for the Alps

- **Observation level**
- **Data availability**
- **Data harmonisation**



Erich Tasser, Eurac Bolzano/Bozen



This project has received
European Regional
Development Funding
through the INTERREG III-B
Community Initiative



Interreg III B

EURAC
research



Data Infrastructure for the Alps: Mountain Orientated Network Technology

Observation level

ESPON (European Spatial Planning Observation Network)

=> Nuts 2 or Nuts 3

Is this resolution sufficient for the Alpine region?





This project has received European Regional Development Funding through the INTERREG III B Community Initiative



Interreg III B

EURAC
research



Data Infrastructure for the Alps: Mountain Orientated Network Technology

Naturalness



aggregate of 3 indicators:
 (area, CORINE)
 (area, CORINE)
 (ratio) -

© EuroGeographics Association for administrative boundaries
 Regional level: NUTS 2
 Origin of data: ESPON 3.1 Taurus,
 ESPON 2.4.2 BSR, own calculations
 Cyprus: data for government controlled areas only
 Source: ESPON database

Standardised based on the European mean value

Moderately above average
 Above average

Alpine Space Transnational Co-operation Area 2007-2013



This project has received European Regional Development Funding through the INTERREG IIIA Community Initiative



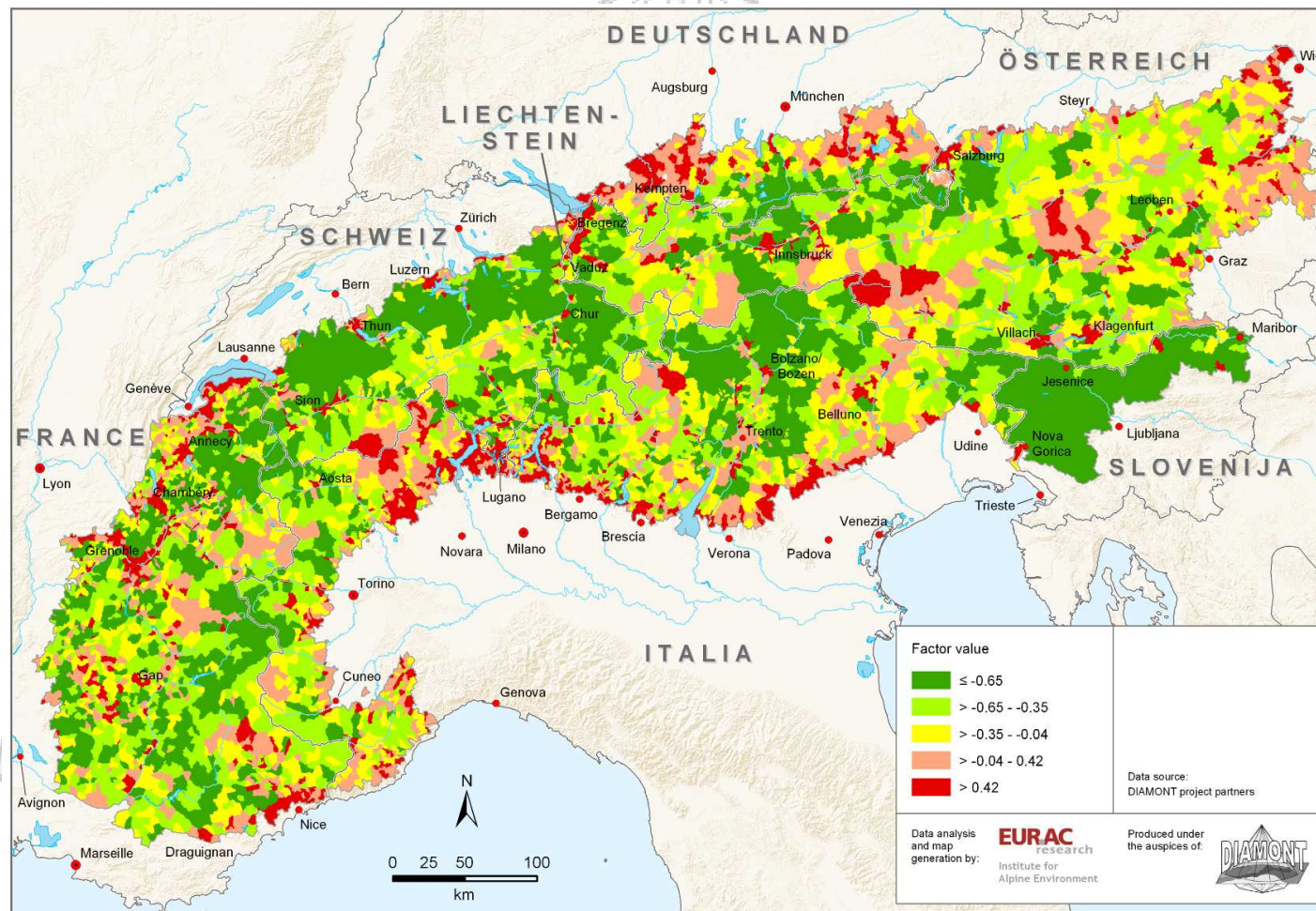
Interreg III B

EURAC
research



Data Infrastructure for the Alps: Mountain Orientated Network Technology

Naturalness





This project has received European Regional Development Funding through the INTERREG III Community Initiative



Interreg III B

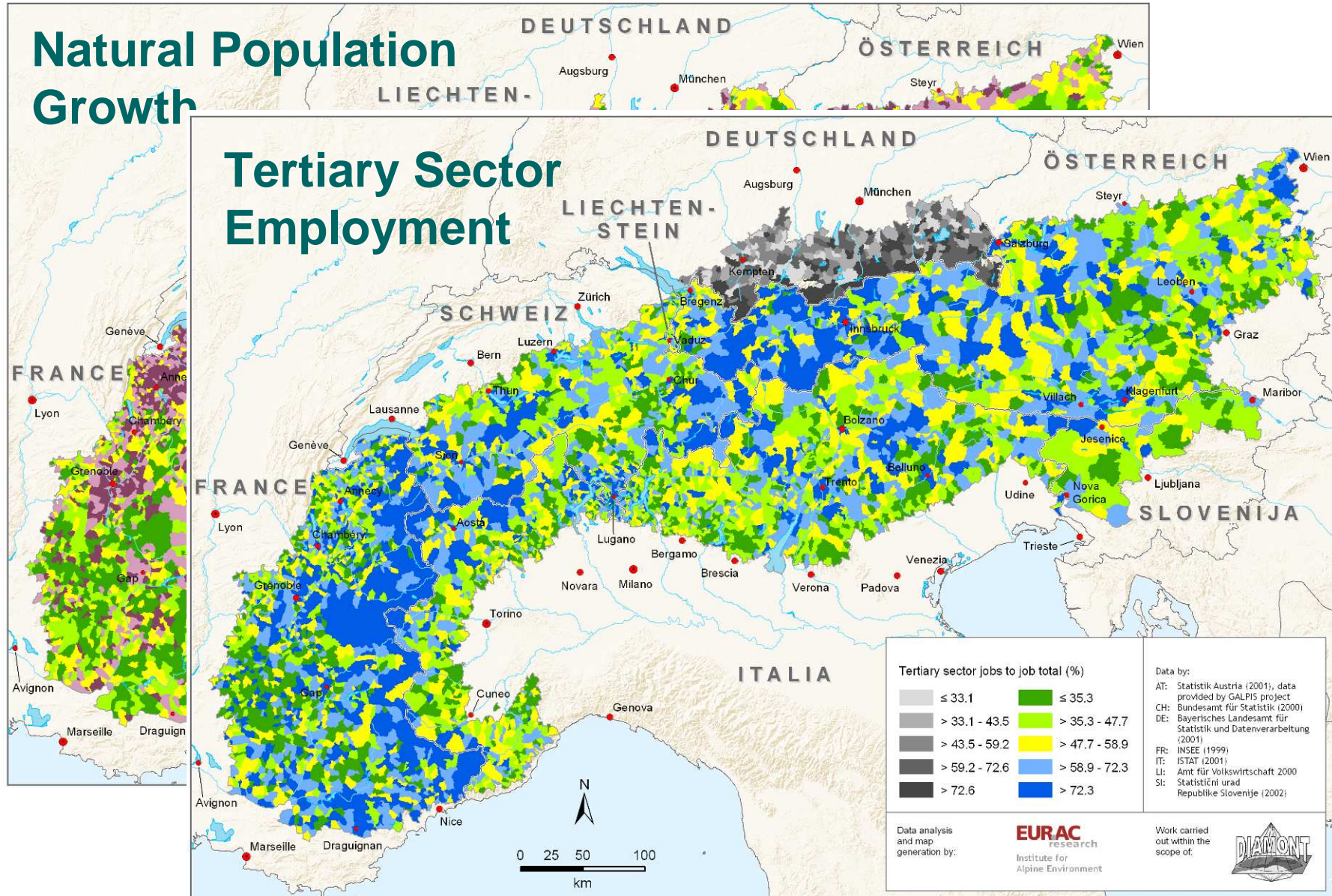
EURAC
research



Data Infrastructure for the Alps: Mountain Orientated Network Technology

Natural Population Growth

Tertiary Sector Employment





This project has received European Regional Development Funding through the INTERREG IIIA Community Initiative



Interreg III B

EURAC
research



Data Infrastructure for the Alps: Mountain Orientated Network Technology

Data availability

Economy

- ✓ Company structure
- ✓ Labour market situation
- ✓ Commuter situation
- ✓ Sectoral aspects
- ✓ Services
- ✓ Tourism
- ✓ Agricultural structure
- ✓ Accessibility
- ✗ Telecommunication
- ✗ Unemployment
- ✗ Insured loss
- ✗ ...



This project has received
European Regional
Development Funding
through the INTERREG III B
Community Initiative



Interreg III B

EURAC
research



Data Infrastructure for the Alps: Mountain Orientated Network Technology

Data availability

Society

- ✓ Demography
- ✓ Living situation
- ✓ Family situation
- ✓ Education
- ✓ Participation
- ✓ Gender mainstreaming
- ✗ Health
- ✗ Welfare system
- ✗ Child care / care for the elderly
- ✗ Delinquency rate
- ✗ Multicultural aspects
- ✗ ...



This project has received
European Regional
Development Funding
through the INTERREG III-B
Community Initiative



Interreg III B

EURAC
research



Data Infrastructure for the Alps: Mountain Orientated Network Technology

Data availability

Environment

- ✓ Land cover
- ✓ Landscape diversity
- ✓ Landscape fragmentation
- ✓ Protected areas
- ✓ Demand for land
- ✓ Compartmentation
- ✓ Settlement situation
- ✗ Quality of water/bodies of water
- ✗ Immission / emission
- ✗ Soil quality
- ✗ Biodiversity
- ✗ Red List-species
- ✗ Waste/waste separation
- ✗ Public transport
- ✗ Energy
- ✗ ...



This project has received
European Regional
Development Funding
through the INTERREG IIIA
Community Initiative



Interreg III B

EURAC
research



Data Infrastructure for the Alps: Mountain Orientated Network Technology

Data harmonisation

In many cases harmonisation is possible, even if one needs special evaluations

...but in some cases: ***If two do the same thing, it is still not the same***

Examples:

- * Land Cover classes (Austria)
- * Definition of “Single parent family” (Italy)
- * Education system, such as definition of “Upper secondary education” or “Dual education system”
- * ...



This project has received European Regional Development Funding through the INTERREG IIIA Community Initiative



Interreg III B

EURAC
research



Data Infrastructure for the Alps: Mountain Orientated Network Technology

Conclusion

88 indicators

13 aggregated features

Ulrike Tappeiner
Axel Borsdorf
Erich Tasser (Hrsg.)

Alpenatlas Atlas des Alpes
Atlante delle Alpi Atlas Alp
Mapping the Alps

Society – Economy – Environment



Spektrum
WISSENSCHAFTLICHE VERLAGS