

Demography and migratory flows affecting European regions and cities (DEMIFER)

Inception report

presented by

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Points of departure and aim

Two main developments form the point of departure for DEMIFER:

1. The main demographic development in Europe in the next decades is the ageing of the population. One major consequence is that the working age population will decline which may have a downward effect on economic growth;
2. Europe will face several important challenges from environmental changes.

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The aim of the project is to examine the effects of demographic developments and migration flows for various types of regions where the typology of regions is based on demographic, social, economic and environmental characteristics.

The use of existing ESPON results

DEMIFER will make use of results from previous ESPON 2006 projects:

- ESPON project 1.1.4 Spatial effects of demographic trends and migration
- ESPON project 3.2 Spatial scenarios in relation to the ESDP and EU Cohesion Policy
- ESPON project 3.4.1 Europe in the world

How will DEMIFER build on previous ESPON projects?

1. Data

DEMIFER will provide an update of demographic and migration data. In addition to adding the most recent data to the ESPON database, more detailed data on migration will be added. To the extent that detailed migration data are missing, we will produce estimates as far as possible.

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3. Scenarios

DEMIFER will build on the scenarios produced in Project 3.2. New scenarios based upon aspects of demography, labour market and economic growth will be developed

How will DEMIFER build on previous ESPON projects? *continued*

4. Policy options

DEMIFER will assess in what way policies may affect the future level of natural population growth (i.e. population growth that can be attributed to fertility and mortality), internal migration, and international migration in each of the scenarios. Expert opinions can identify possible policy options and assess the effectiveness of policies.

How will DEMIFER build on previous ESPON projects? *continued*

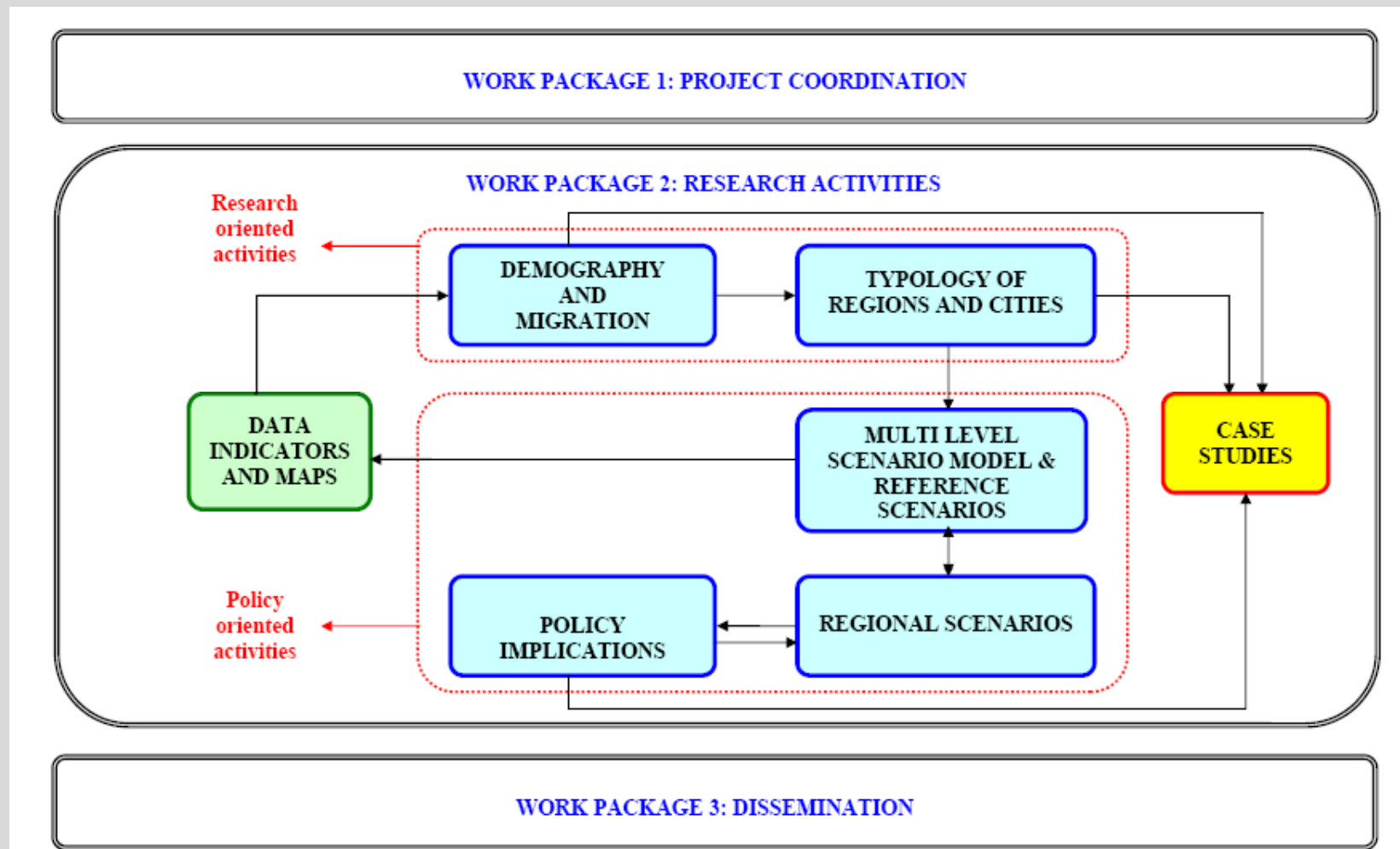
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5. Case studies

In general DEMIFER will produce results for NUTS 2 regions. As far as possible we aim for a well-balanced geographical coverage of the case studies.

Work packages and research activities



Data aspects and methodology

Availability of data is satisfying at NUTS2, except for migration.

Estimated OD-matrices for migratory flows will be collected from the MIMOSA project, which is a EUROSTAT project lead by NIDI.

A. MULTIPOLES is a cohort-component multiregional model of population dynamics. It will be used for making demographic scenarios. It may be used for forecasts, projections and simulations.

This model is particularly suitable for the application in the project, because it is designed to consider migration at three levels and it considers not only demographic aspects of population dynamics but also allows for modelling labour force resources.

Data aspects and methodology *continued*

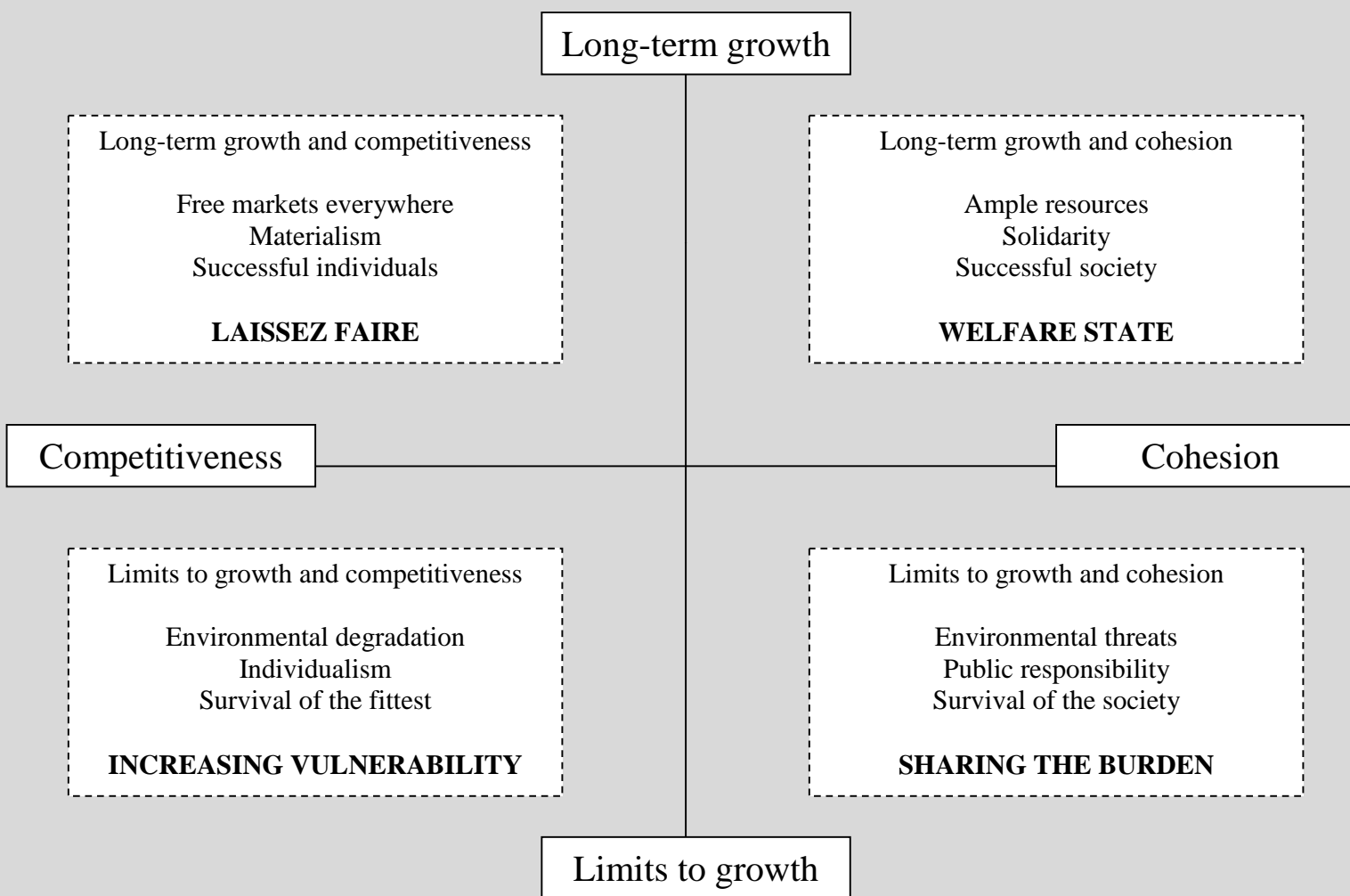
- B. As point of reference for the regional population scenario, policy options, and case studies, two population dynamics simulations will be prepared. The [reference scenarios](#) are not aimed to describe the most likely future, but to show what would be the effects of continuation of demographic trends in the very long run.

Data aspects and methodology *continued*

- B. As point of reference for the regional population scenario, policy options, and case studies, two population dynamics simulations will be prepared. The **reference scenarios** are not aimed to describe the most likely future, but to show what would be the effects of continuation of demographic trends in the very long run.
- C. In general the scenarios can be developed along two dimensions:
1. Long-term growth versus limits to growth
 2. Competitiveness versus social cohesion

Combining these two dimensions leads to **four scenario options**

Four scenario options



Policy options

Looking at the different scenarios of DEMIFER, the question arises how the policies at the European level may affect the outcomes. Several categories of policies can be distinguished

- **Labour market**: policies regarding retirement age, child care, labour force participation, liberalisation, integration, etc.;
- **Education**: policies regarding human capital, lifelong learning, access to training;
- **Economic**: technological innovations, productivity, taxation, subsidies;
- **Social**: social cohesion, social security;
- **Environment**: policies among which environmental protection, rules, and regulations;
- **Population and migration**: for instance pro-natalistic policies, international migration regulations, regional distribution of migrants, integration;
- **Spatial**: co-operation between regions, revitalisation of regions, access to housing.

First preliminary results

The inception report includes a literature overview on some of the central themes in this project:

- Demographic developments and migration in Europe
- Relationship between economy, demography and migration
- Addressing issues on the definition and measurement of migration

Merci beaucoup
pour votre attention!

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