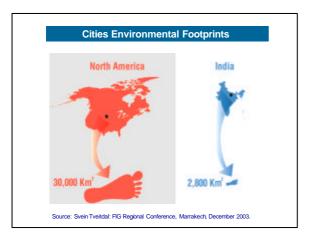
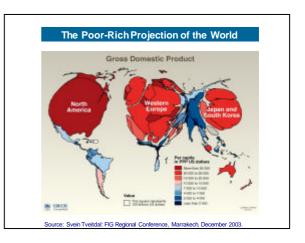
Integrated Land and Environmental Management - A Conceptual Approach Prof. Stig Enemark Head of School of Surveying and Planning Aalborg University, Denmark FIG WORKING WEEK, ATHENS, 23 – 29 MAY 2004

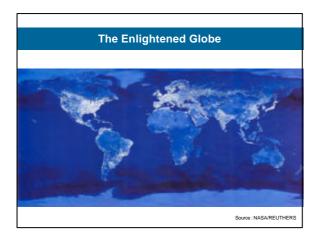
Land and Environmental Management - Key Issues

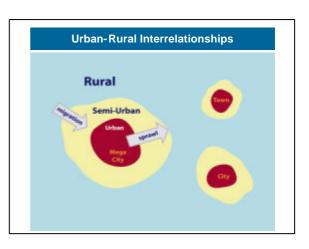
Land Policies and Means of Planning Control

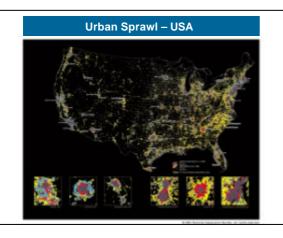
- Urban Sprawl
- Urban Environment and Infrastructure
- · Informal settlements
- Urban-Rural Interrelationship
- Nature Protection
- Sustainable Development

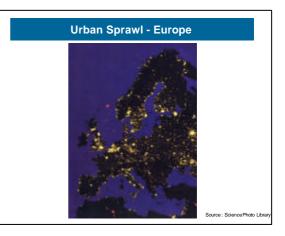




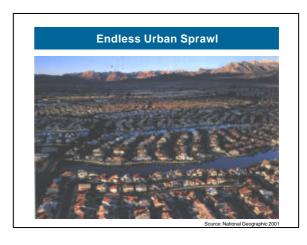


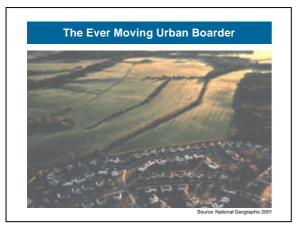






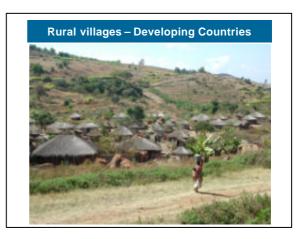


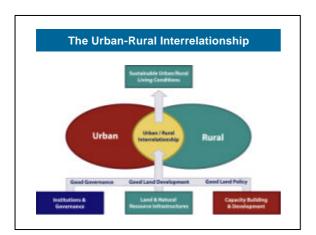




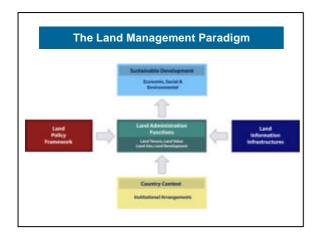






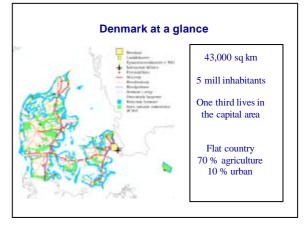
















The National Drivers for Land Management Reform

- Technology development
 - GIS, Internet, e-government
- Micro-economic reform
 privatisation, decentralisation, quality assurance
- Globalisation
 especially in an European perspective
- Sustainable development
 - economical, social, and environmental

Planning Control - main features



- Dynamism between planning and development
- Decentralised planning and strong local authorities
- Public participation is integrated in the system
- Sensitivity towards local culture, traditions and values

Spatial Planning and Control



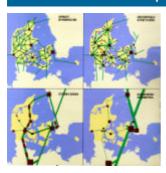




A compendium comparing the systems of planning control

The European Perspective





Public debate on 4 different visions:

Scattered urban pattern

Decentralised urban pattern

String of larger cities

European metropolises

National Spatial Vision 2025



Polycentric urban system

The Øresund Region – An international centre of growth

New national centres

Planning Responsibilities ... - a decentralised approach



Regional level: 11 counties and the Greater Copenhagen Region

Local level: 275 municipalities

Average 20,000 inhabitants 50% less than 10,000 1% more than 100,000

Decentralised responsibility

National planning

The Minister establishes the overall framework through guidelines and directives

Regional plans

The 12 regions revise their regional plans every 4th. year

Local plans

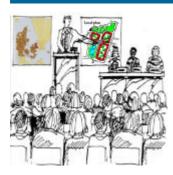
More than 30.000 plans have been prepared since 1977



Municipal plans

The 275 municipalities revise their plans every 4th, year

Public Participation



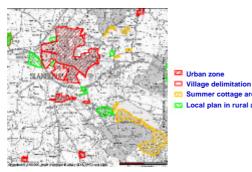
- 2 periods of public hearings, 8 weeks:
- 1th period concerns strategies, ideas and alternatives
- -2th period concerns the planning proposal

The plan are adopted by the regional and local authorities themselves and there is opportunity for appeal appeal against the content of the plans.

General Means of Urban - Rural Zoning



General Means of Urban - Rural Zoning



- Urban zone
- Summer cottage area
- 🔯 Local plan in rural area

Regional Planning



Regional guidelines establish the overall goals for development for a 12-year period for:

- urban development
- · the countryside
- nature and environmental protection
- · large technical facilities
- · retail structure
- EIA procedures are an integrated part of regional planning



Municipal Planning - local level



Objectives for the main structure and development of land use

Framework for local plans

Strategic planning pointing out efforts and partners

Large political involvement and public participation strengthen the planning

New Trends: Focus on urban policy and strategies, inner cities, traffic

Improvement, revitalisation and renewal rather than growth

Local/Neighbourhood Planning

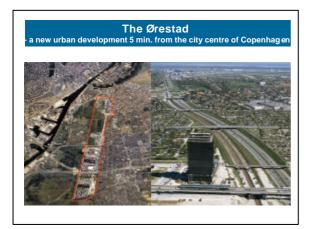
a flexible approach

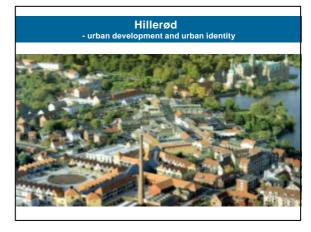


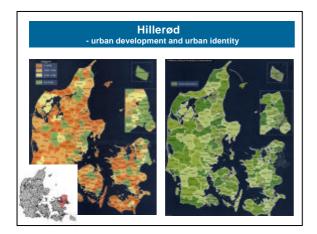
Implementing objectives of regional and municipal plans Legally binding for property

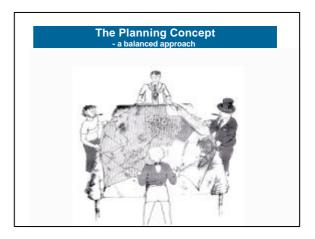
Mandatory prior to implementation of major projects or projects having a substantial impact on the existing environment and surroundings

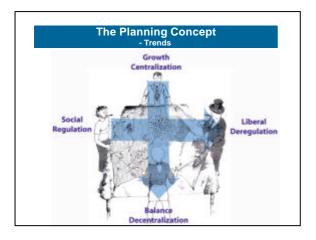
Public participation

















Lessons Learnt

"FIG and its member associations could be both enablers, mediators and advisors, and be strongly committed to continue its contribution in helping to achieve a better and more sustainable world in cities and the countryside"

Holger Magel, Marrakech, Dec. 2003

