

# Scenarios as an interface between science and policy

Moritz Lennert

ESPON Project 3.2

Institut de Gestion de l'Environnement et d'Aménagement du Territoire  
Université Libre de Bruxelles

Tuesday, May 31, 2005

## Outline

Parlez-vous scientifique: of communication problems between scientists

Make it short: tell me what is \_not\_ important for territorial development

Relax, close your eyes and imagine...scenarios !

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

# Outline

- 1 Parlez-vous scientifique: of communication problems between scientists, policy makers and society
- 2 Make it short: tell me what is \_not\_ important for territorial development
- 3 Relax, close your eyes and imagine...scenarios !
- 4 The Second Foundation: project 3.2
- 5 Tell me a story, dad

Parlez-vous scientifique: of communication problems between scientists, policy makers and society

Make it short: tell me what is \_not\_ important for territorial development

Relax, close your eyes and imagine...scenarios !

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

## Outline

- 1 Parlez-vous scientifique: of communication problems between scientists, policy makers and society
- 2 Make it short: tell me what is \_not\_ important for territorial development
- 3 Relax, close your eyes and imagine...scenarios !
- 4 The Second Foundation: project 3.2
- 5 Tell me a story, dad

## Policy makers are no scientists

*Cato, Busby, Bramhall (no date), I don't know much about science. Political Decision-Making Involving Science and Technology.*

- 30% of British MP's without science or math 'O' levels
- 80 % of MPs from backgrounds and professions where no scientific knowledge was necessary or assumed
- two visions of "evidence" : lawyers vs. scientists

## Policy makers are no scientists

*Cato, Busby, Bramhall (no date), I don't know much about science. Political Decision-Making Involving Science and Technology.*

- 30% of British MP's without science or math 'O' levels
- 80 % of MPs from backgrounds and professions where no scientific knowledge was necessary or assumed
- two visions of "evidence" : lawyers vs. scientists

## Policy makers are no scientists

*Cato, Busby, Bramhall (no date), I don't know much about science. Political Decision-Making Involving Science and Technology.*

- 30% of British MP's without science or math 'O' levels
- 80 % of MPs from backgrounds and professions where no scientific knowledge was necessary or assumed
- two visions of "evidence" : lawyers vs. scientists

## Policy makers are no scientists

*Cato, Busby, Bramhall (no date), I don't know much about science. Political Decision-Making Involving Science and Technology.*

- 30% of British MP's without science or math 'O' levels
- 80 % of MPs from backgrounds and professions where no scientific knowledge was necessary or assumed
- two visions of "evidence" : lawyers vs. scientists

# Communication for democracy

*Papponetti and Pinelli (2004), Scientific Advice to Public Policy-Making, Working Paper.*

- difficult relationship between scientific advice and policy-making in context of uncertainty (variability incomplete science, inadequate data)
- intrinsic limits of science more and more acknowledged
- if science is flawed then expertise is not confined to scientific knowledge only: multi- sectoral and multi-disciplinary expertise
- danger of technocratic governance, based on black box



# Communication for democracy

*Papponetti and Pinelli (2004), Scientific Advice to Public Policy-Making, Working Paper.*

- difficult relationship between scientific advice and policy-making in context of uncertainty (variability incomplete science, inadequate data)
- intrinsic limits of science more and more acknowledged
- if science is flawed then expertise is not confined to scientific knowledge only: multi- sectoral and multi-disciplinary expertise
- danger of technocratic governance, based on black box

Parlez-vous scientifique: of communication problems between science and policy

Make it short: tell me what is not important for territorial development

Relax, close your eyes and imagine...scenarios !

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

## Communication for democracy

*Papponetti and Pinelli (2004), Scientific Advice to Public Policy-Making, Working Paper.*

- difficult relationship between scientific advice and policy-making in context of uncertainty (variability incomplete science, inadequate data)
- intrinsic limits of science more and more acknowledged
- if science is flawed then expertise is not confined to scientific knowledge only: multi- sectoral and multi-disciplinary expertise
- danger of technocratic governance, based on black box

## Communication for democracy

*Papponetti and Pinelli (2004), Scientific Advice to Public Policy-Making, Working Paper.*

- difficult relationship between scientific advice and policy-making in context of uncertainty (variability incomplete science, inadequate data)
- intrinsic limits of science more and more acknowledged
- if science is flawed then expertise is not confined to scientific knowledge only: multi- sectoral and multi-disciplinary expertise
- danger of technocratic governance, based on black box

## Communication for democracy

*Papponetti and Pinelli (2004), Scientific Advice to Public Policy-Making, Working Paper.*

- difficult relationship between scientific advice and policy-making in context of uncertainty (variability incomplete science, inadequate data)
- intrinsic limits of science more and more acknowledged
- if science is flawed then expertise is not confined to scientific knowledge only: multi- sectoral and multi-disciplinary expertise
- danger of technocratic governance, based on black box

## Outline

- 1 Parlez-vous scientifique: of communication problems between scientists, policy makers and society
- 2 Make it short: tell me what is not important for territorial development**
- 3 Relax, close your eyes and imagine...scenarios !
- 4 The Second Foundation: project 3.2
- 5 Tell me a story, dad

Relax, close your eyes and imagine...scenarios !

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

## Scientific difficulties

- multitude of factors (driving forces)
- lack of data
- limits of existing methodologies
- spatial was neglected (Harvey, Smith, Lefebvre, Soja)

## Scientific difficulties

- multitude of factors (driving forces)
- lack of data
- limits of existing methodologies
- spatial was neglected (Harvey, Smith, Lefebvre, Soja)

## Scientific difficulties

- multitude of factors (driving forces)
- lack of data
- limits of existing methodologies
- spatial was neglected (Harvey, Smith, Lefebvre, Soja)



## Scientific difficulties

- multitude of factors (driving forces)
- lack of data
- limits of existing methodologies
- spatial was neglected (Harvey, Smith, Lefebvre, Soja)

## Scientific difficulties

- multitude of factors (driving forces)
- lack of data
- limits of existing methodologies
- spatial was neglected (Harvey, Smith, Lefebvre, Soja)

## Political difficulties

- multitude of actors (interests)
- multitude of scales
- effects are long term
- new “evidence-based” governance = quantifiable governance

## Political difficulties

- multitude of actors (interests)
- multitude of scales
- effects are long term
- new “evidence-based” governance = quantifiable governance

## Political difficulties

- multitude of actors (interests)
- multitude of scales
- effects are long term
- new “evidence-based” governance = quantifiable governance

## Political difficulties

- multitude of actors (interests)
- multitude of scales
- effects are long term
- new “evidence-based” governance = quantifiable governance

## Political difficulties

- multitude of actors (interests)
- multitude of scales
- effects are long term
- new “evidence-based” governance = quantifiable governance

# Science and policy in ESPON

- mass of information: 30 projects and 1000s of pages
- much more research needed
- weakness of policy recommendations
- problems of scale



## Science and policy in ESPON

- mass of information: 30 projects and 1000s of pages
- much more research needed
- weakness of policy recommendations
- problems of scale

## Science and policy in ESPON

- mass of information: 30 projects and 1000s of pages
- much more research needed
- weakness of policy recommendations
- problems of scale

## Science and policy in ESPON

- mass of information: 30 projects and 1000s of pages
- much more research needed
- weakness of policy recommendations
- problems of scale

## Science and policy in ESPON

- mass of information: 30 projects and 1000s of pages
- much more research needed
- weakness of policy recommendations
- problems of scale

Parlez-vous scientifique: of communication problems between scientists, policy makers and society  
Make it short: tell me what is \_not\_ important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

Dangers of scenarios

Outputs of scenarios

## Outline

- 1 Parlez-vous scientifique: of communication problems between scientists, policy makers and society
- 2 Make it short: tell me what is \_not\_ important for territorial development
- 3 Relax, close your eyes and imagine...scenarios !**
- 4 The Second Foundation: project 3.2
- 5 Tell me a story, dad

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

Dangers of scenarios

Outputs of scenarios

# What are scenarios ?

## Definition

Simulation games for policy makers, combining known facts about the future with particular possible social, technical and political trends  
(*Wikipedia*)

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

**Why use scenarios ?**

Dangers of scenarios

Outputs of scenarios

## Advantages of scenarios

- translate existing research into concrete, easily understandable images
- connect many different driving forces and allow complex outputs
- independent of (although based on) existence of quantified data
- stakeholders can participate in elaboration
- easy to communicate

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

**Why use scenarios ?**

Dangers of scenarios

Outputs of scenarios

## Advantages of scenarios

- translate existing research into concrete, easily understandable images
- connect many different driving forces and allow complex outputs
- independent of (although based on) existence of quantified data
- stakeholders can participate in elaboration
- easy to communicate



Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

**Why use scenarios ?**

Dangers of scenarios

Outputs of scenarios

## Advantages of scenarios

- translate existing research into concrete, easily understandable images
- connect many different driving forces and allow complex outputs
- independent of (although based on) existence of quantified data
- stakeholders can participate in elaboration
- easy to communicate

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

**Why use scenarios ?**

Dangers of scenarios

Outputs of scenarios

## Advantages of scenarios

- translate existing research into concrete, easily understandable images
- connect many different driving forces and allow complex outputs
- independent of (although based on) existence of quantified data
- stakeholders can participate in elaboration
- easy to communicate

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

**Why use scenarios ?**

Dangers of scenarios

Outputs of scenarios

## Advantages of scenarios

- translate existing research into concrete, easily understandable images
- connect many different driving forces and allow complex outputs
- independent of (although based on) existence of quantified data
- stakeholders can participate in elaboration
- easy to communicate

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

**Why use scenarios ?**

Dangers of scenarios

Outputs of scenarios

## Advantages of scenarios

- translate existing research into concrete, easily understandable images
- connect many different driving forces and allow complex outputs
- independent of (although based on) existence of quantified data
- stakeholders can participate in elaboration
- easy to communicate

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

**Dangers of scenarios**

Outputs of scenarios

## Disadvantages of scenarios

- unlimited number of possibilities: relevance ?
- non-verifiable
- usability of results dependent on quality of stakeholder inputs
- illusion of political influence (policy scenarios)

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

**Dangers of scenarios**

Outputs of scenarios

## Disadvantages of scenarios

- unlimited number of possibilities: relevance ?
- non-verifiable
- usability of results dependent on quality of stakeholder inputs
- illusion of political influence (policy scenarios)

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

**Dangers of scenarios**

Outputs of scenarios

## Disadvantages of scenarios

- unlimited number of possibilities: relevance ?
- non-verifiable
- usability of results dependent on quality of stakeholder inputs
- illusion of political influence (policy scenarios)

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

**Dangers of scenarios**

Outputs of scenarios

## Disadvantages of scenarios

- unlimited number of possibilities: relevance ?
- non-verifiable
- usability of results dependent on quality of stakeholder inputs
- illusion of political influence (policy scenarios)



Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

**Dangers of scenarios**

Outputs of scenarios

## Disadvantages of scenarios

- unlimited number of possibilities: relevance ?
- non-verifiable
- usability of results dependent on quality of stakeholder inputs
- illusion of political influence (policy scenarios)

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

Dangers of scenarios

Outputs of scenarios

## What to expect from scenarios ?

- textual story lines
- final images (textual or graphical)
- identification of most important driving forces / issues
- do not represent new research results
- identification of research needs
- outputs of scenarios are not precise and not predictive

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

Dangers of scenarios

**Outputs of scenarios**

## What to expect from scenarios ?

- textual story lines
- final images (textual or graphical)
- identification of most important driving forces / issues
- do not represent new research results
- identification of research needs
- outputs of scenarios are not precise and not predictive

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

Dangers of scenarios

Outputs of scenarios

## What to expect from scenarios ?

- textual story lines
- final images (textual or graphical)
- identification of most important driving forces / issues
- do not represent new research results
- identification of research needs
- outputs of scenarios are not precise and not predictive

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

Dangers of scenarios

Outputs of scenarios

## What to expect from scenarios ?

- textual story lines
- final images (textual or graphical)
- identification of most important driving forces / issues
- do not represent new research results
- identification of research needs
- outputs of scenarios are not precise and not predictive

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

Dangers of scenarios

Outputs of scenarios

## What to expect from scenarios ?

- textual story lines
- final images (textual or graphical)
- identification of most important driving forces / issues
- do not represent new research results
- identification of research needs
- outputs of scenarios are not precise and not predictive

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

Dangers of scenarios

Outputs of scenarios

## What to expect from scenarios ?

- textual story lines
- final images (textual or graphical)
- identification of most important driving forces / issues
- do not represent new research results
- identification of research needs
- outputs of scenarios are not precise and not predictive

Parlez-vous scientifique: of communication problems between science and policy  
Make it short: tell me what is not important for territorial development

**Relax, close your eyes and imagine...scenarios !**

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

Scenarios: definition(s)

Why use scenarios ?

Dangers of scenarios

Outputs of scenarios

## What to expect from scenarios ?

- textual story lines
- final images (textual or graphical)
- identification of most important driving forces / issues
- do not represent new research results
- identification of research needs
- outputs of scenarios are not precise and not predictive



Parlez-vous scientifique: of communication problems between scientists

Make it short: tell me what is \_not\_ important for territorial development

Relax, close your eyes and imagine...scenarios !

**The Second Foundation: project 3.2**

Tell me a story, dad

Thank you for your attention !

A short overview of project 3.2

Example 1: transport scenarios

Example 2: rural development scenarios

## Outline

- 1 Parlez-vous scientifique: of communication problems between scientists, policy makers and society
- 2 Make it short: tell me what is \_not\_ important for territorial development
- 3 Relax, close your eyes and imagine...scenarios !
- 4 The Second Foundation: project 3.2**
- 5 Tell me a story, dad

Parlez-vous scientifique: of communication problems between science and policy

Make it short: tell me what is not important for territorial development

Relax, close your eyes and imagine...scenarios !

**The Second Foundation: project 3.2**

Tell me a story, dad

Thank you for your attention !

**A short overview of project 3.2**

Example 1: transport scenarios

Example 2: rural development scenarios

## Scenarios in project 3.2

- Scenario bases
- Prospective (policy) scenarios and normative, proactive scenarios
- Currently 19 thematic (extreme) scenarios on demography, transport, energy, economy, governance, enlargement, rural development, climate change, socio-cultural issues
- Fewer integrated, multi-thematic scenarios
- Constant validation by ESPON MC

Parlez-vous scientifique: of communication problems between science and policy

Make it short: tell me what is not important for territorial development

Relax, close your eyes and imagine...scenarios !

**The Second Foundation: project 3.2**

Tell me a story, dad

Thank you for your attention !

A short overview of project 3.2

Example 1: transport scenarios

Example 2: rural development scenarios

## Scenarios in project 3.2

- Scenario bases
  - Prospective (policy) scenarios and normative, proactive scenarios
  - Currently 19 thematic (extreme) scenarios on demography, transport, energy, economy, governance, enlargement, rural development, climate change, socio-cultural issues
  - Fewer integrated, multi-thematic scenarios
  - Constant validation by ESPON MC

## Scenarios in project 3.2

- Scenario bases
- Prospective (policy) scenarios and normative, proactive scenarios
- Currently 19 thematic (extreme) scenarios on demography, transport, energy, economy, governance, enlargement, rural development, climate change, socio-cultural issues
- Fewer integrated, multi-thematic scenarios
- Constant validation by ESPON MC

## Scenarios in project 3.2

- Scenario bases
- Prospective (policy) scenarios and normative, proactive scenarios
- Currently 19 thematic (extreme) scenarios on demography, transport, energy, economy, governance, enlargement, rural development, climate change, socio-cultural issues
- Fewer integrated, multi-thematic scenarios
- Constant validation by ESPON MC

## Scenarios in project 3.2

- Scenario bases
- Prospective (policy) scenarios and normative, proactive scenarios
- Currently 19 thematic (extreme) scenarios on demography, transport, energy, economy, governance, enlargement, rural development, climate change, socio-cultural issues
- Fewer integrated, multi-thematic scenarios
- Constant validation by ESPON MC

## Scenarios in project 3.2

- Scenario bases
- Prospective (policy) scenarios and normative, proactive scenarios
- Currently 19 thematic (extreme) scenarios on demography, transport, energy, economy, governance, enlargement, rural development, climate change, socio-cultural issues
- Fewer integrated, multi-thematic scenarios
- Constant validation by ESPON MC

## Transport scenarios: the ESPON context

- project 1.2.1: analysis of existing networks and accessibility indicators
- project 2.1.1: analysis of impacts of TEN/TINA projects (regional growth of GDP)
- very quantitative
- little analysis of trends and of driving forces for change



## Transport scenarios: driving forces

- spectacular growth in car use
- move from stock economy to flow economy and dispersal of production sites
- liberalisation of air traffic and low cost airlines
- climate change and air pollution
- price structure

# Transport scenarios: hypotheses

## More investments in motorways

- maximum use and expansion of existing capacities of road transport
- anti-congestion policy
- public-private partnerships

## Decoupling growth from transport

- combined Kyoto / Göteborg / Lisbon
- discouragement of cars and trucks
- transport strategy + policy for more immaterial economic functions

## Transport scenarios: hypotheses

### More investments in motorways

- maximum use and expansion of existing capacities of road transport
- anti-congestion policy
- public-private partnerships

### Decoupling growth from transport

- combined Kyoto / Göteborg / Lisbon
- discouragement of cars and trucks
- transport strategy + policy for more immaterial economic functions

## Transport scenarios: results

### More investments in motorways

- development of peripheral regions and integration of new member states
- less congestion (at least in short-term)
- urban sprawl
- more pollution

### Decoupling growth from transport

- winning regions: metropolises, ports, dense railway networks
- less suburbanisation: compact cities
- less pollution
- negative short-term macro-economic impacts

## Transport scenarios: results

### More investments in motorways

- development of peripheral regions and integration of new member states
- less congestion (at least in short-term)
- urban sprawl
- more pollution

### Decoupling growth from transport

- winning regions: metropolises, ports, dense railway networks
- less suburbanisation: compact cities
- less pollution
- negative short-term macro-economic impacts

Parlez-vous scientifique: of communication problems between science and policy

Make it short: tell me what is not important for territorial development

Relax, close your eyes and imagine...scenarios !

**The Second Foundation: project 3.2**

Tell me a story, dad

Thank you for your attention !

A short overview of project 3.2

Example 1: transport scenarios

Example 2: rural development scenarios

## Rural development scenarios: the ESPON context

- project 2.1.3: analysis of CAP impacts
- project 1.1.2: urban-rural relationships
- both analyse trends and driving forces

## Rural development scenarios: driving forces

- emergence of new functions in rural areas: socio-economic diversification
- CAP and its reforms
- globalisation and WTO negotiations
- demand for organic products
- biofuels

Parlez-vous scientifique: of communication problems between science and policy

Make it short: tell me what is not important for territorial development

Relax, close your eyes and imagine...scenarios !

**The Second Foundation: project 3.2**

Tell me a story, dad

Thank you for your attention !

A short overview of project 3.2

Example 1: transport scenarios

Example 2: rural development scenarios

## Rural development scenarios: hypotheses

### Open Market

- CAP felt as burden in context of WTO negotiations
- Pillar 1 and 2 measures gradually reduced and abolished
- 25 years of preparatory (productivity-raising) measures

### Sustainable Rurality

- growing environmental awareness
- strong WTO pressure
- significant reduction of Pillar 1, but enhancement of Pillar 2



# Rural development scenarios: hypotheses

## Open Market

- CAP felt as burden in context of WTO negotiations
- Pillar 1 and 2 measures gradually reduced and abolished
- 25 years of preparatory (productivity-raising) measures

## Sustainable Rurality

- growing environmental awareness
- strong WTO pressure
- significant reduction of Pillar 1, but enhancement of Pillar 2

Parlez-vous scientifique: of communication problems between science and policy

Make it short: tell me what is not important for territorial development

Relax, close your eyes and imagine...scenarios!

**The Second Foundation: project 3.2**

Tell me a story, dad

Thank you for your attention!

A short overview of project 3.2

Example 1: transport scenarios

Example 2: rural development scenarios

## Rural development scenarios: results

### Open Market

- intensive dualisation
- large-scale farming increases CEE + Turkey
- no more landscape management
- non-specialised rural areas decline
- severe damage to environment

### Sustainable Rurality

- reduction of duality
- experience farming successful on regional markets
- large-scale farming increases CEE
- arable farming declines
- landscape management and reduction of pollution

## Rural development scenarios: results

### Open Market

- intensive dualisation
- large-scale farming increases CEE + Turkey
- no more landscape management
- non-specialised rural areas decline
- severe damage to environment

### Sustainable Rurality

- reduction of duality
- experience farming successful on regional markets
- large-scale farming increases CEE
- arable farming declines
- landscape management and reduction of pollution

Parlez-vous scientifique: of communication problems between scientists

Make it short: tell me what is \_not\_ important for territorial development

Relax, close your eyes and imagine...scenarios !

The Second Foundation: project 3.2

**Tell me a story, dad**

Thank you for your attention !

## Outline

- 1 Parlez-vous scientifique: of communication problems between scientists, policy makers and society
- 2 Make it short: tell me what is \_not\_ important for territorial development
- 3 Relax, close your eyes and imagine...scenarios !
- 4 The Second Foundation: project 3.2
- 5 Tell me a story, dad**

Parlez-vous scientifique: of communication problems between science and policy

Make it short: tell me what is not important for territorial development

Relax, close your eyes and imagine...scenarios !

The Second Foundation: project 3.2

**Tell me a story, dad**

Thank you for your attention !

## Conclusion

- scenarios are communication devices
- scenarios can be especially helpful in complex issues such as territorial development
- scenarios need solid base
- scenarios highlight research limits and needs

## Conclusion

- scenarios are communication devices
- scenarios can be especially helpful in complex issues such as territorial development
- scenarios need solid base
- scenarios highlight research limits and needs

## Conclusion

- scenarios are communication devices
- scenarios can be especially helpful in complex issues such as territorial development
- scenarios need solid base
- scenarios highlight research limits and needs

## Conclusion

- scenarios are communication devices
- scenarios can be especially helpful in complex issues such as territorial development
- scenarios need solid base
- scenarios highlight research limits and needs



## Conclusion

- scenarios are communication devices
- scenarios can be especially helpful in complex issues such as territorial development
- scenarios need solid base
- scenarios highlight research limits and needs

Parlez-vous scientifique: of communication problems between science and policy

Make it short: tell me what is not important for territorial development

Relax, close your eyes and imagine...scenarios !

The Second Foundation: project 3.2

Tell me a story, dad

Thank you for your attention !

# Thank you for your attention !

Moritz Lennert

IGEAT - ULB, Brussels

moritz.lennert@ulb.ac.be