



# Monitoring Sustainable Development in Switzerland: A Game-oriented Approach to the Communication of Sustainability Indicators

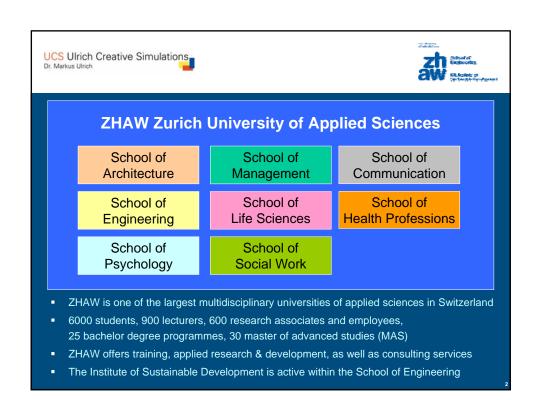
#### Project Leaders

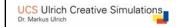
Vicente Carabias, ZHAW Institute of Sustainable Development / JRC-IPTS Dr. Markus Ulrich, UCS Ulrich Creative Simulations

#### Project Partners

Swiss Federal Statistical Office, Lehrmittelverlag h.e.p., suter & sager AG, more experts and various supporters

→ Test-Workshops with many Students and Adults







#### Institute of Sustainable Development at ZHAW

- Provides research, services and education focused on the three dimensions of sustainable development
- Three main research areas:
  - corporate sustainability
  - sustainable municipal development
  - sustainable location development
- Performs transdisciplinary projects
- Development of concepts, models, strategies and evaluation processes supporting sustainable development



ARE, 2004]

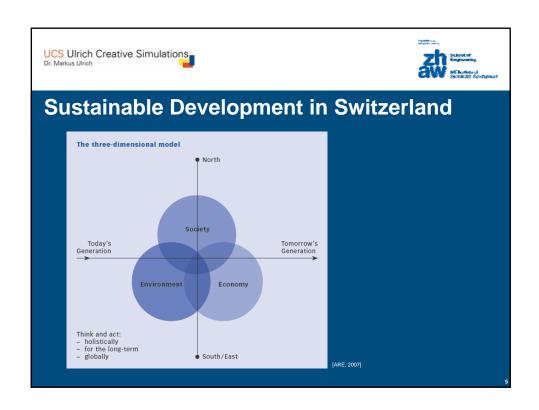
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### Rationale 1

The relevance of Sustainable Development (SD) is increasing:

- Brundtland-Report 1987, Rio Declaration 1992, Johannesburg
   Summit 2002, UN Decade "Education for Sustainable
   Development" 2005-2014
- Article on promoting SD in the revised Federal constitution since 1999, Federal Council's Strategy on SD 2002:
   Raising public awareness via education, Monitoring of SD by periodic production of sustainability indicators



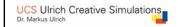




# **Rationale 2**

Monitoring of SD in Switzerland (MONET)

- MONET is a system of indicators designed to measure progress towards SD in Switzerland, intended for both the general public and policymakers, providing over 120 regularly updated indicators.
- The MONET system is based on a series of postulates which transform the qualitative objectives of SD into specific requirements.
- More information about MONET: <u>www.monet.admin.ch</u>





### **Monitoring of SD in Switzerland (MONET)**



#### Features:

- 3 Dimensions for SD
- 20 Postulate Areas
- 26 Topics
- > 120 Indicators
- Trend
- Assessment

[BFS 2005

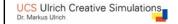
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# **Key Questions of MONET**

The focus is on the following questions:

- Is Switzerland on the path towards SD? What are Switzerland's strengths and weaknesses as it travels this path? What are the key factors, and what major obstacles are there?
- Why is Switzerland (not) on the path towards SD? What are the positive and negative developments, the shortcomings and potentials at the levels of government, the economy and society?
- What needs to be done to move Switzerland onto the path towards SD? Which measures take priority?
- How useful are systems of indicators to evaluate sustainability in a country?



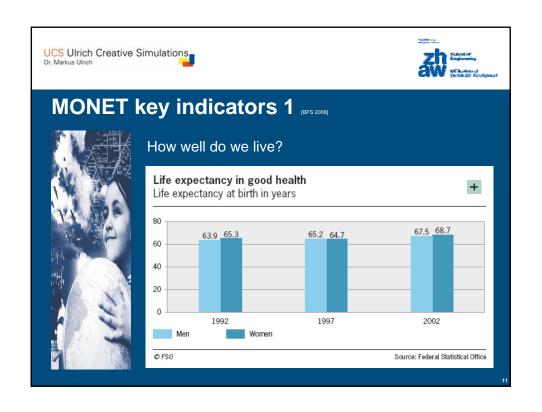


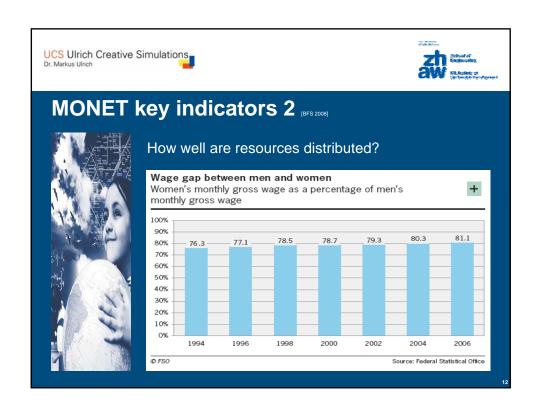
# **Handicap and Solution**

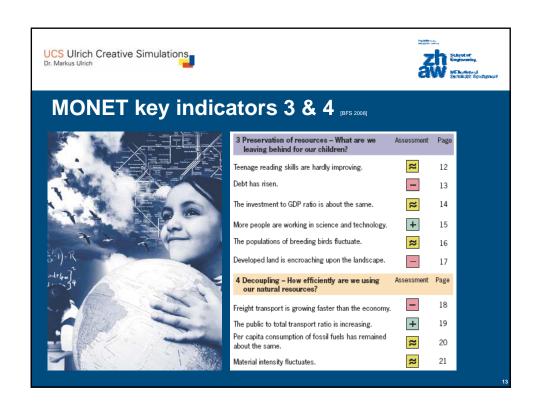
Monitoring of SD in Switzerland (MONET) (www.monet.admin.ch)

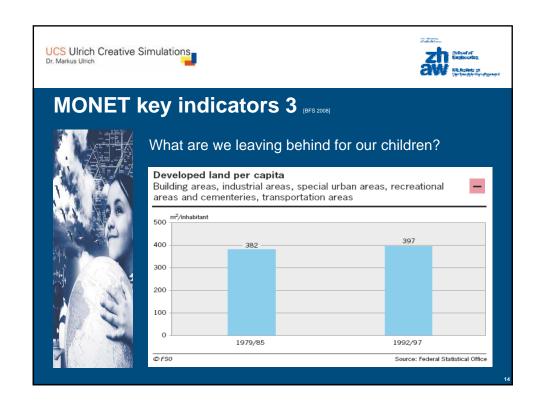
- A lot of MONET-information should be of general interest. So far this information is only known to a small group of experts.
- Dissemination through brochures, e.g. the key indicators representing a group of MONET indicators, highlighting major trends and the salient features of a given phenomenon.
- With the development of an attractive card game and its internet-connection the MONET-knowledge shall be accessible to wider population groups.

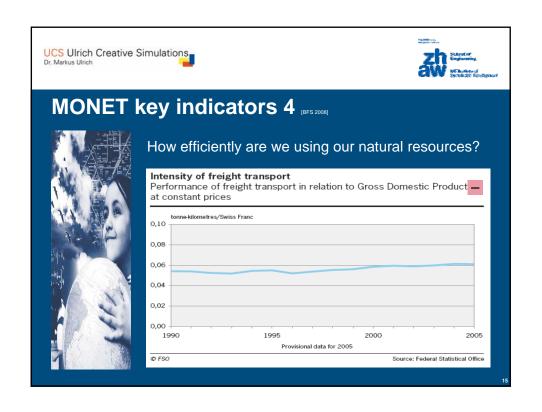
UCS Ulrich Creative Simulations
Dr. Markus Ulrich MONET key indicators 1 & 2 BES 2008 Are we headed in the right direction? An overview of the 17 key indicators: 1 Meeting needs - How well do we live? Assessment Page People's health is improving. People are not earning more. 6 Violence is on the rise. 7 ≈ The unemployment rate is stagnating. 2 Fairness - How well are resources distributed? Assessment Poverty is not declining. ≈ Official Development Assistance spending is stagnating. ≈ 10 The wage gap between men and women is gradually +

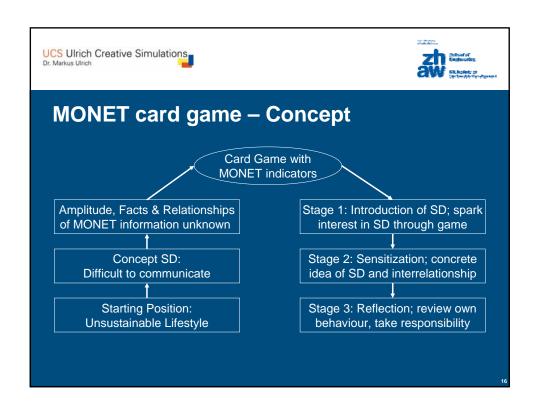


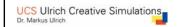














### **MONET card game – Goals & Target Group**

#### Goals:

- Game-oriented Approach to the theme Sustainable Development (SD)
- Make MONET-Knowledge accessible to wider population groups
- Raising public awareness about MONET information
- Sensitization for SD in Switzerland
- Advance the knowledge about the development of relevant SD factors

#### Target Group:

- Education for SD (Universities, High Schools, Social Clubs , Families)
- Further Training & Raising Awareness (Companies, NGO)

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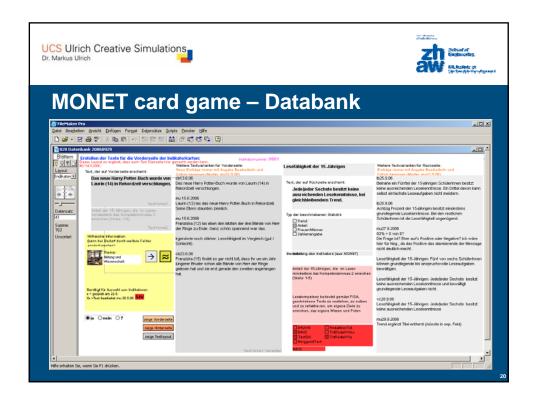


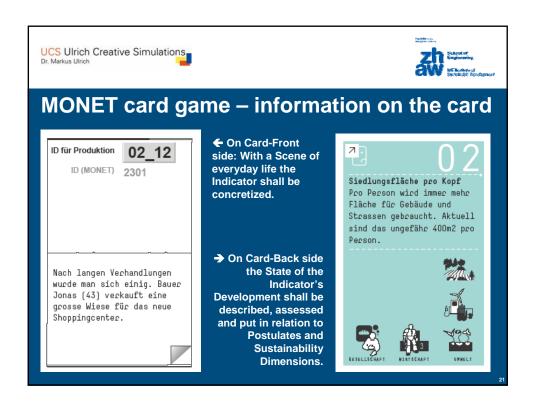
### **Game Development**

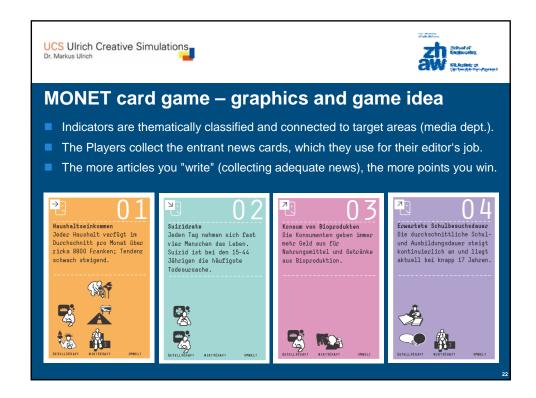
Phases of the Game Development:

- Various Supporters and Project Team
- Game ideas
- Databank
- Indicators and Postulates concretized
- Game Rules
- Art Design
- Teachers Guide
- http://www.klartext-monet.bfs.admin.ch (updated data, further information and game ideas, teaching material)

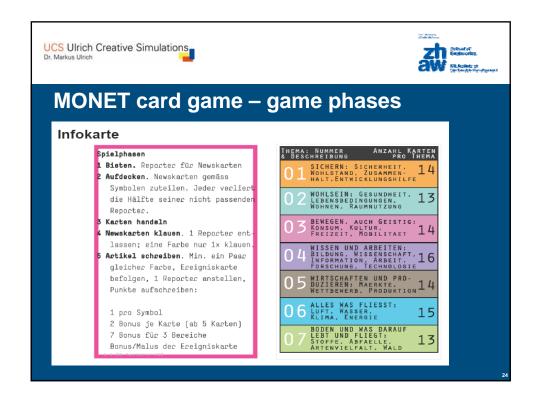


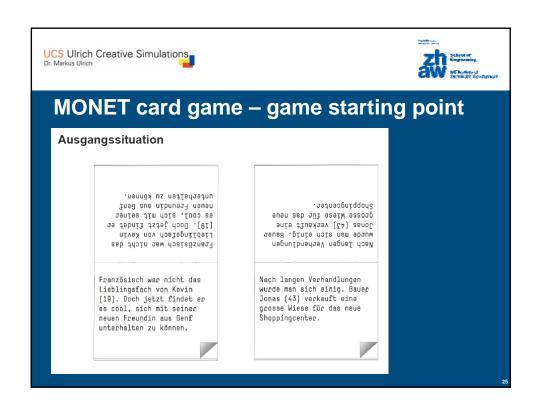




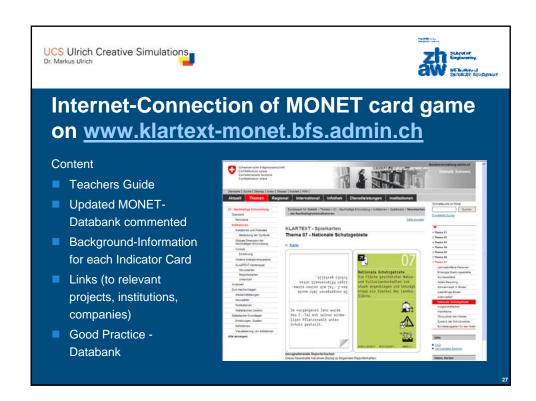
















### **Conclusions**

- Objective and high quality communication to the general public on statistics is essential. Only then can official statistics truly fulfil their function as a public good and a powerful tool in a modern democracy.
- Through the use of references to everyday life, players are skilfully guided towards the facts surrounding the subject of sustainable development in Switzerland.
- Uniquely, KLARTEXT combines fun with the dissemination of knowledge about sustainable development in Switzerland.



