

Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

Swiss Confederation

Federal Department of the Environment, Transport, Energy and Communications DETEC

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Federal Office for the Environment FOEN Environmental Monitoring Section

Forward Looking for

the Swiss SOER2022

Annual FLIS-meeting 8th September 2020, Foresight activities in countries Karin Fink & Klaus Kammer FOEN, Switzerland

Hopes... and Goals!

We see forward looking analysis as a tool

A tool for communication

- Allowing us to talk about new yet unnegotiated options for action
- Communication of tentative dataset (example COVID-19)
- Starting a dialog about desirable futures with a broader audience

• A tool for policy making:

- prepairedness
- development of new options for action
- support of informed political decisions



The approach

Analysis on 2 Levels:

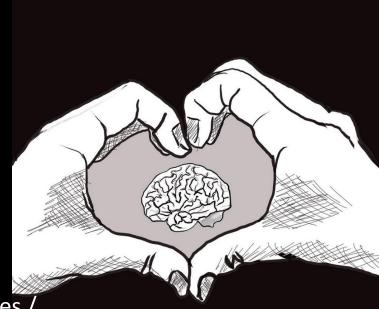
First Level: Systems Food, Housing and Mobility

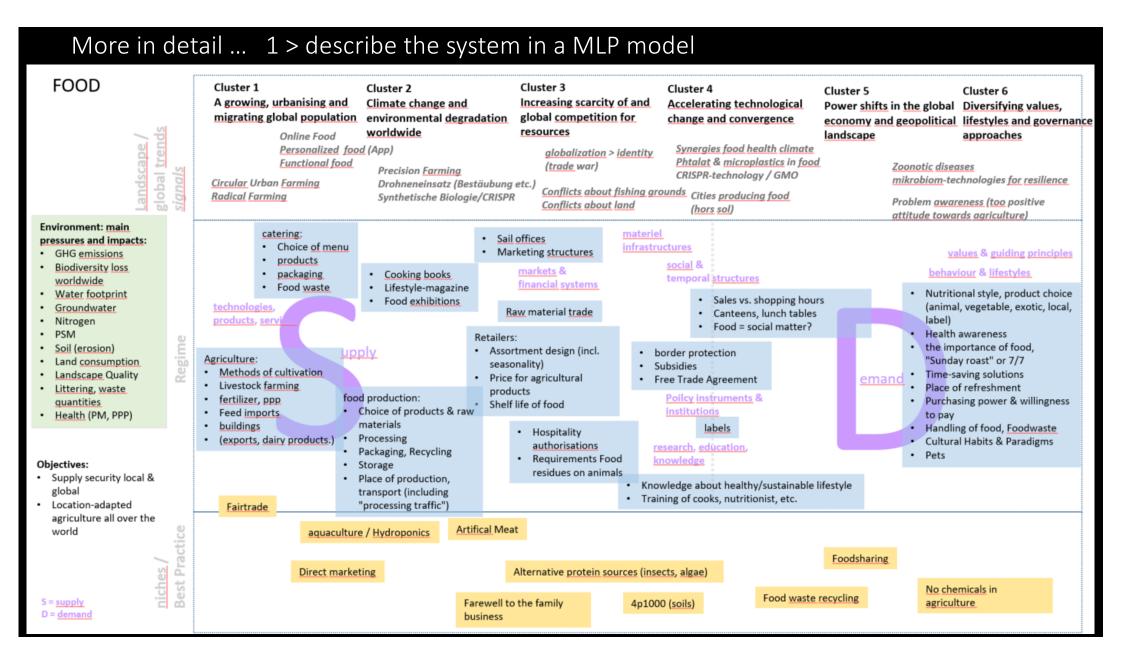
- Mapping the systems into the MLP Modell*
- Identification of main levers, possible actions*
- Discuss those in the light of Drivers of change

Second Level: «classical» env. topics

- Map / Track influence of Drivers of Change
- Experts judge the robustness and prepairness of their measures / adjust need for action
- Identification of new possibilites for action / measures

*see next slides





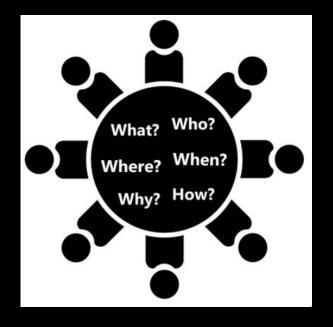
More in detail ... 2 > identifications of levers from literature

SOER·22·for·Switzerland: **Levers** ·for ·food ·system¶

| lever¤ | stakeholders·¤ Authorities: confederation, cantons, municipalities¶ economy: Industries¶ research¶ education¶ Civil·Society¶ policy¤ | Environmental impacts [¤] | | | synergies¤ | approaches¤ |
|--|--|---|--|--|--|---|
| Resource saving: | | <i>climate</i> [™] | biodiversity¶ Inkl. Boden, Wasser, Wald¤ | resources¶ material-&· waterfootprint¤ | | Awarapassiraising massures for healthy and |
| Resource-saving- nutrition-(demand-side)¶ less-animal-products.· synergies-nutrition-climate- /-synergies-nutrition- healthproduct-range¶ ¶ Showing-the-interplay-of- supply-and-demand= | formation¶ | +++¶ Less-meat-consumption- (consumption-of-animal- products):-=-less-land- required-for-cultivation-of- feed-&-pasture-land->-less- land-use- change/deforestation- rainforest:=-more-GHG sinks/less-CO2-emissions.¶ Less-animal-husbandry->- less-nitrous-oxide-(N2O),- methane->-less-GHG¤ | +++¶ Deforestation-of-forest- areas-reduced-(by-up-to- 80%-according-to- Agroscope-study)¶ nitrate-/-phosphorus35%¶ Less-meat-consumption- (consumption-of-animal- products):¶ =-less-land-requirement-for- cultivation-of-feed-&-pasture- land->-less-land-Use- Change/deforestation- rainforest-¶ =-less-animal-density->-less- over-fertilisation-of- ecosystems¤ | +++¶ Less-meat-production-=- reduction-of-water-consumption- (not-quantified)¤ | Healthier population, lower economic costs (health-costs, absenteeism, etc.)>>Swiss Nutrition-Strategy¶ Air pollution control (less: nitrogen, PM)¶ Long-term-climate-strategy¶ Less-eutrophication-less-nitrate inputs to groundwater.¶ Reduced-eutrophication-of-waterbodies.¶ Protection-of-nutrient-poor ecosystems¶ Increasing food-security-both domestically and internationally.¤ | promotion for animal products, reduced VAT rates for animal food and means of production (>Input paper Nutrition for the long-term climate strategy 2050)¶ → Development of an integrated nutrition strategy (>Input paper Nutrition for the long-term climate strategy 2050)/ Strengthening environmental aspects in the Swiss nutrition strategy (>Report GW) |
| Resource-saving· nutrition·(supply·side)·¤ | Retailers¶ Federation (BLV, BAFU, BAG)¶ Gastronomy¶ Cantons/communities: | Coherence of effects? Less- methane, because animal- products are less attractive- compared to plant- products? Etc.¶ | Less-rainforest-cleared,- because-products-with-palm- oil-as-well-as-coffee,- chocolate-&-coare-less- attractive-than-those-with- | Retailers¶ >-no-longer-carry- environmentally-harmful- products-in-their-range¶ >-strengthen-sales-of-local- | α | → Taxation of food products and foodstuffs that are harmful to the environment (>NFP-69)¶ → Promotion of healthy food through potential financial incentives (lower VAT rates) (>NFP-69)¶ → Range of products, range design (>NFP-69)¶ |
| | Catering services in hospitals, childcare centres, schools,), public procurement >Empfehlungen für die | Less-GHG-because-non- seasonal,-airborne- products,-etcnot-in-the- range,-etc.¶ Retailer¶ | palm-oil?¶ Retailer¶ > no-longer-carry- environmentally-harmful- products-in-their-range>- | products-through-nudging¶ >-show-the-life-cycle- assessment-of-the-respective- products¶ Less-packaging-products->-less- | | Create incentives (for large-scale distributors) for climate-friendly supply of seasonal products that are not grown in heated greenhouses, and to avoid products that are imported by air (>Input paper Nutrition for the long-term climate strategy) |

More in detail ... 3 > identify DOI-impact on - single environmental topics

- food, mobility, housing systems



> identify options for action

Methods / approaches / works....



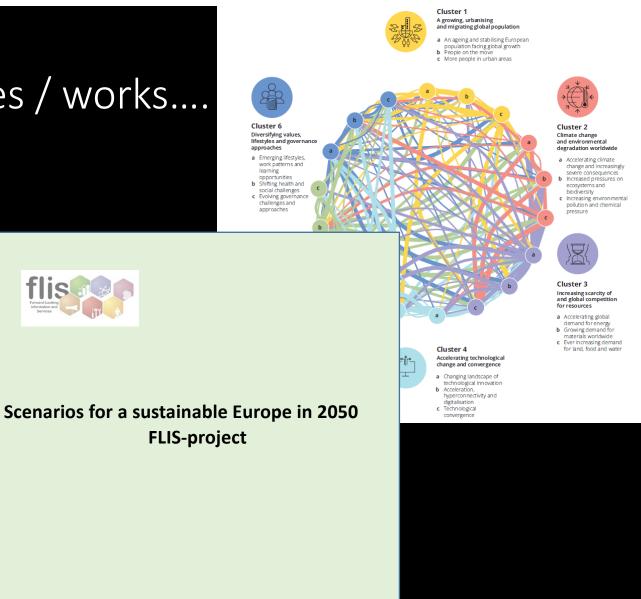
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Mapping Europe's environmental future: understanding the impacts of global megatrends at the national level

Method tool kit



Eionet — European Environment Information and Observation Network



Will it work ? Our Challenges :

How to link / combine the analysis of **drivers of change** with **scenarios**? Always with the aim to create new / different options for action & solutions?

