Local Climate Sustainable Energy Solutions in Global Stock Take, 100% RE, Sufficiency: East Africa, South Asia, Europe

Welcome by the organisers INFORSE – SusWatch Kenya, - NFRE – SE -

Local Solutions in East Africa / Catalogue:
Mary Swai, TaTEDO, INFORSE-East Africa, Tanzania

100 % Renewables Scenarios - Kenya
Nobert Nyandire SusWatch Kenya

Local Solutions in South Asia: India, Nepal, Bangladesh, Sri Lanka. Eco-Village Development Catalogue & Policy Brief
Sanjiv Nathan, INSEDA, INFORSE-South Asia

Sufficiency - overlooked climate action in Global North
Gunnar Boye Olesen, INFORSE-Europe & SE

Intro & Moderator: Judit Szoleczky, INFORSE

INFORSE-East Africa Proposals for getting local Solutions into GST
Richard Kimbowa, UCSD, INFORSE-East Africa

Comments
Stephen Nzioka, Ministry of Energy, Kenya

Dialogue on how to integrate local solutions in GST to strengthen climate action - Questions & Answers

More: https://inforse.org/SB56.php

Thanks to support:
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Emission reductions with energy sufficiency, - the overlooked climate action in the global north

by Gunnar Boye Olesen, INFORSE-Europe
• Engaged in EU energy & climate policies
• Supporting policies for local energy communities, member of alliance for energy communities,
• Supporting energy efficiency with EU ecodesign regulations,
• Energy scenarios with energy sufficiency
• Organises webinars & seminars,
• New catalogue of local, simple solutions to save energy in towns, by Ukraine coordinator

https://inforse.org/europe/SELNEE.htm
Sufficiency
- change in lifestyles to do better with less

• Many Europeans have larger houses that they need and want, for instance after a family has become smaller and there are barriers for moving. Actions to help moving etc. can reduce heated area 1% a decade.

• Many European have high temperatures in homes during winter (above 21°C) and low in summer (below 25°C). Adjusting temperatures 1°C down in winter and 1°C up in summer is acceptable for most of them, which is 33% of the dwellings in Denmark. This will reduce heating 5% in each dwelling with 1°C lover temperature. It will reduce national heat demand with 1.7%.

• Electricity use in dwellings can be reduced 20% with simple measures as filling washing machine, line drying of cloth, turning off wifi at night, etc.

• For transport, personal car use in Denmark can be reduced 43% in a decade with a combination of sustainable mobility measures.
Main Proposed Measures for Sustainable Mobility

• Improved railways with frequent trains on most lines,
• Develop railway stations into mobility centres with good opportunities to change
• Better opportunities to carry bicycles in trains and buses
• Urban planning with
  • less space and less parking for cars in cities,
  • the principle of having most functions available within 15 min by bicycle and
  • “traffic islands” in cities, with only one car entrance
• Super bicycle paths for distances 4-20 km that are particular popular for users of electric bicycles.
• General reduction of road speed, motorway speed 100 km/h and urban speed to 30 km/h
• More expensive parking
• Increase use of car sharing, support of car-sharing associations etc.
• Reform of ticket prices on public transport to reduce prices on longer distances,
• Reduce state subsidies for commuting,
• Roadpricing is introduced for cars.
• Employers should be allowed to give bicycles to workers without taxation
Sufficiency Reducing Final Energy Use, Denmark

Final Energy Use (PJ, selected sectors)

- Heating
- Classical el.
- Other el.
- Transport el.
- Transport fuel

Year:
- 2019
- 2030 IDA kliamasvar
- 2030 IDA Klimasvar+ sufficiency
- 2030 IDA Klimasvar+more el.cars

UNFCCC SB56 Side Event - Bonn, Germany - Local Climate Sustainable Energy Solutions in Global Stock Take, 100% RE, Sufficiency: East Africa, South Asia, Europe // INFORSE - SUSWATCH - NFRE - SE 11/6 2022, 11:30-13.00 Room: Berlin
Danish Primary Energy, calculated with Energy-Plan

![Bar chart showing primary energy, 2030, TWh]

**Primary energy, 2030, TWh**

- **DEA 2030, baseline (SCO21)**
- **IDAs Klimasvar 2030**
- **IDAs Klimasvar 2030 + sufficiency + 39% electric cars**
- **IDAs Klimasvar 2030 + sufficiency + 50% electric cars**

**Sources:**
- Coal
- Oil
- Natural Gas
- Biomas
- Wind
- Photovoltaic
- Solar Thermal
- Other

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Results of Energy Scenario: Energy Emissions

Greenhouse gas emissions, 2030, million tonnes CO2e

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Reduction from 1990:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEA 2030, baseline (SCO21)</td>
<td>67%</td>
</tr>
<tr>
<td>IDAs Klimasvar 2030</td>
<td>77%</td>
</tr>
<tr>
<td>IDAs Klimasvar 2030 + sufficiency + 39% electric cars</td>
<td>82%</td>
</tr>
<tr>
<td>IDAs Klimasvar 2030 + 50% electric cars</td>
<td>83%</td>
</tr>
</tbody>
</table>
All countries can do more – addressing lifestyle in a constructive way is one of the ways in developed countries. This should be captured in GST recommendations. It is recognised by IPCC 6th AR while missing in NDCs.
Thank you
More info: www.inforse.org/europe

Relevant websites:
inforse.org/europe/Energy-Sufficiency-Project.htm
inforse.org/europe/FULFILL.htm

Proceedings: www.inforse.org/SB56.php