

Environmental and Natural Resources Management for Food Security and Poverty Alleviation

Capacity building Framework

22 September 2004





Outline

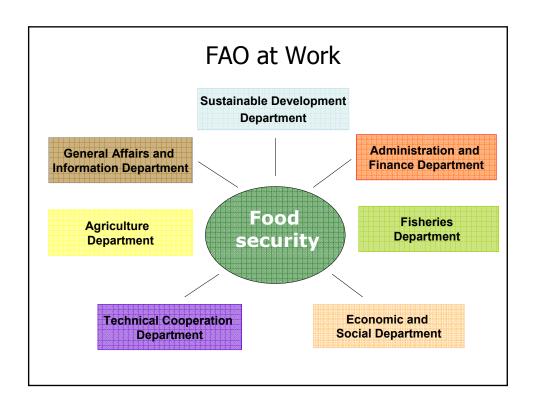
Capacity Building Framework

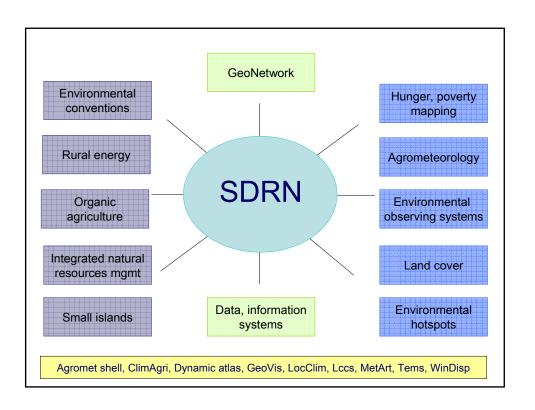
African experiences

Lessons learned

Future

GeoNetwork experience at WFP





Capacity-building Principles

Ownership

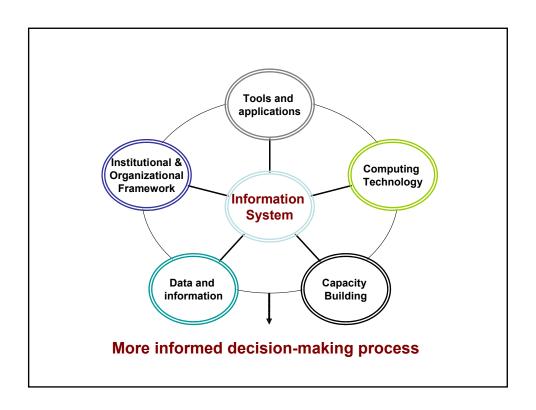
- Promote local and national ownership of the activities
- Ensure that resources provided are demand-driven and compatible with the user's context

Partnership

- Ensuring interdisciplinary efforts addressing cross-cutting priorities
- Foster cooperation and collaboration with key national and regional stakeholders

Equity

- Making sure that the benefits and impacts of activities spread to the most vulnerable population and marginal areas
- Contribute towards the reduction of the digital gap disparity among countries and regions within a country, and institutions





Capacity building activities...

Training courses and training materials

On the job training

Publications

Distance learning

Awareness and advisory within expert missions/ seminars /meetings/ e.conf./working groups/concept documents

Web portal



Some challenges...

- State of food security changes due to various drivers
- Inter-dependencies within and between watersheds/landscapes/territories/countries/regions
- Diversity of actors and their interests/concerns
- Lack of easy flow of information to comprehensively address the needs of the food insecure





Food Security

When all people at all times have physical, social and economic access to sufficient, safe and nutritious food which meets their dietary needs and food preferences for an active and healthy life. (World Food Summit, 1996)

Sustainable Development

Development is sustainable if it satisfies present needs without compromising the ability of future generations to meet their own needs (Brundtland Commission, 1987)



In reality, Food Security includes...

More than 200 definitions, and 450 indicators of Food Security

Local context should guide the selection of an appropriate Food Security Framework



GeoNetwork Spatial Data Infrastructure

Provides

Easy to use tools to accomplish data sharing and use

Mean for distributed maintenance and ownership of data

Integrates

Metadata search and maintenance functions

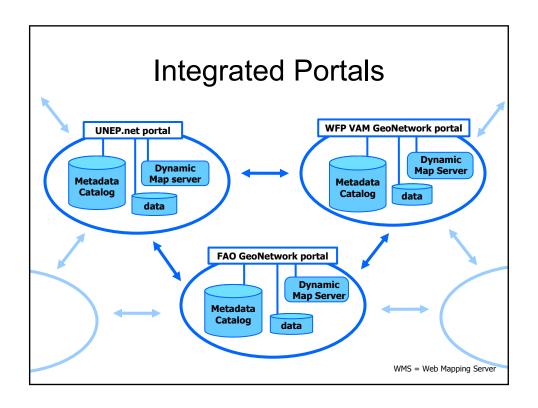
Distributed databases for data & metadata

Interactive access to Geographic Data from distributed sources through Internet Mapping Services (InterMap)

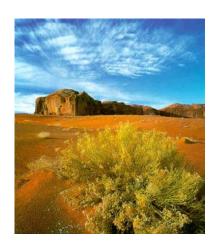


Implements

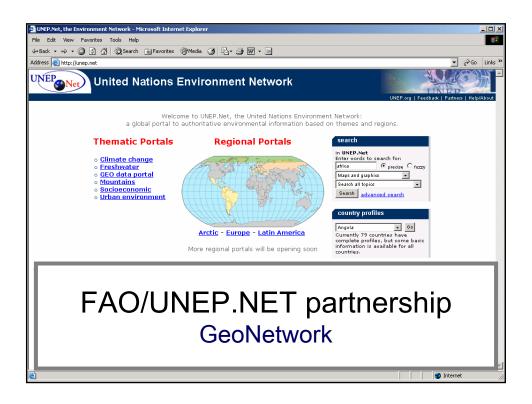
Implements widely accepted standards: ISO19115 (geographic metadata) OpenGIS Consortium standards (e.g dynamic internet map services)



Current developments



- Joint development by FAO, WFP and UNEP on version 1.3
- A number of significant improvements will be implemented
 - Documentation/ guidelines/ training
 - Improved integration with external software





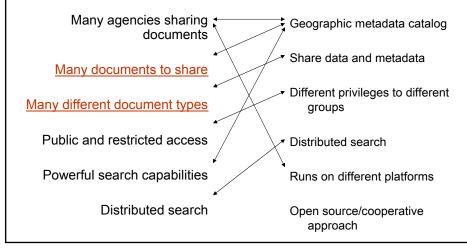
UNEP.NET Context

- Public and restricted access
- Many agencies as providers and users of information
- Need for improved data sharing and access
- Different documents types

GeoNetwork to build UNEP.NET

UNEP.NET needs

GeoNetwork capabilities





FAO/SADC/SETSAN partnership

Integrated Food security analysis:
Mozambique experience

"Using databases, information system tools and methodologies for emergency planning towards sustainable development and food security"

Mozambique in 2004

<u>Water and Sanitation</u>: Over 50% do not have access and sanitation facilities

HIV/AIDS: 15% of the population between 15-49 years having the virus

Poverty: more than 70% living under below the poverty line

<u>Chronic food insecurity</u>: several consecutive years of war, flooding and drought







<u>DEMAND:</u> Strengthen and further develop <u>our</u>
<u>capacities</u> for an integrated use of information
that would allow us to translate information into
actions that best address our <u>current food</u>
<u>security issues</u>

Mozambique Technical Secretariat for Food and Nutrition Security (SETSAN)



Training objectives

Demonstrate:

- 1. Potential and usefulness of several FAO tools
- Benefits of an integrated use of data and information tools to comprehensively and holistically address food security issues

Context of the 2003-2004 drought in Mozambique, in particular, and the SADC region, in general

Training partners

Coordinating Unit: SDRN

<u>47 partners</u>, including trainees, guest speakers, and lead instructors

From <u>9 countries</u>: Angola, Botswana, Eritrea, Italy, Kenya, Malawi, Mozambique, South Africa, Zimbabwe

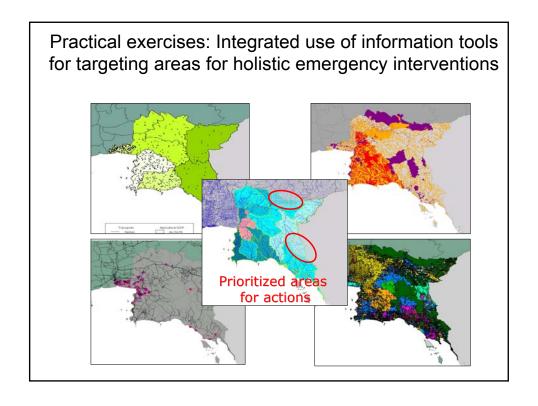
With more than **20 institutions**: Government, Universities, NGOs, International institutions (WFP, UNEP, PPF, WHO), Private companies, projects, etc.

Within FAO: As lead instructor or collaborator:

Economic and Social (ESCG, ESDG, ESNA,
ESNP), Sustainable development (SDAA,
SDRN), Agriculture (AGLW, AGPS),
Technical Cooperation (TCEO and TCER),
Fisheries (FIDI)

Within SIMAG: UNEP, CIESIN, WHO, PPF, ITC...







Partnering and next steps...

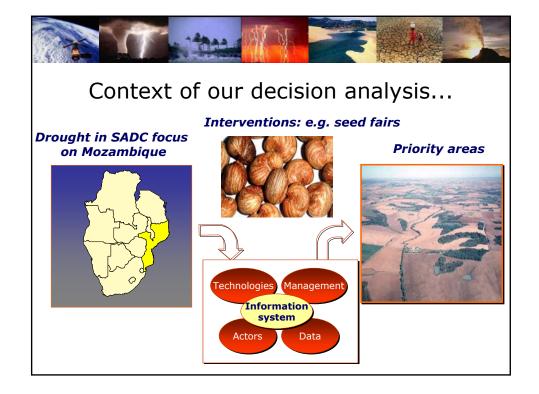
"What are the actions to be taken in order to ensure a follow-up to this training activity?"

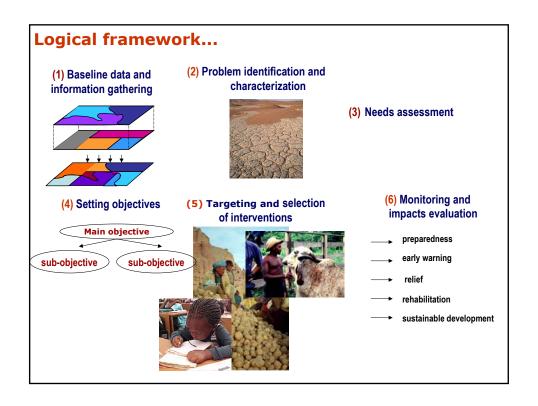
"How to ensure a continuous strengthening of the participants in the use of the tools introduced during this training activity?"

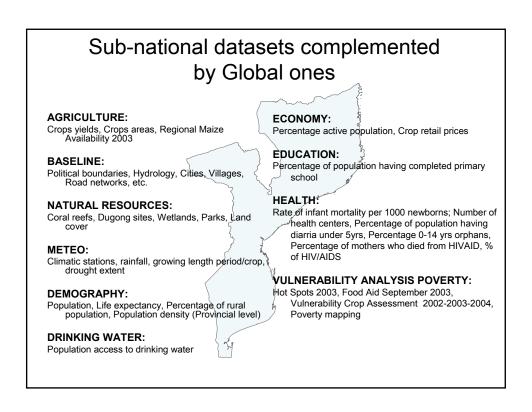
"How could we better share data and information, promote our complementarities, and improve the coordination of efforts that must be coherent with local, national and regional realities?"

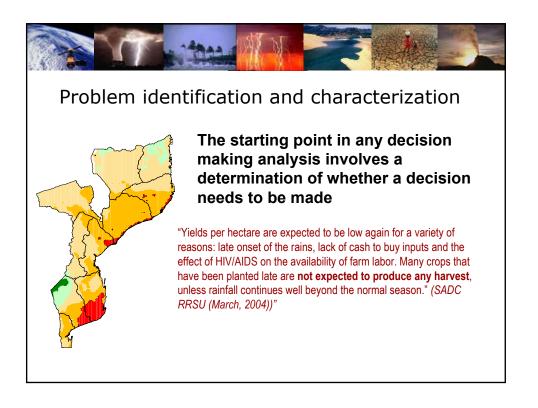
"What strategy could feed in information to the policy makers and stakeholders at national and provincial level?"

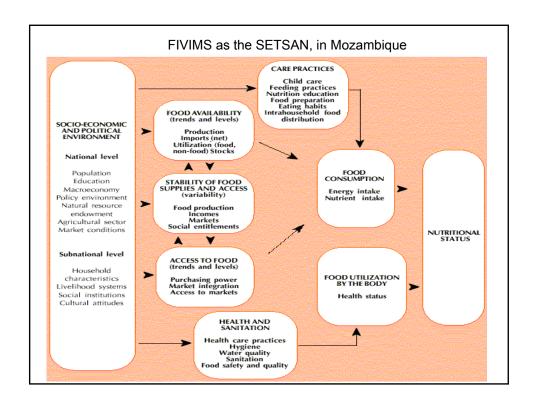
"Could we agree on suitable outputs to be produced in a timely manner?"

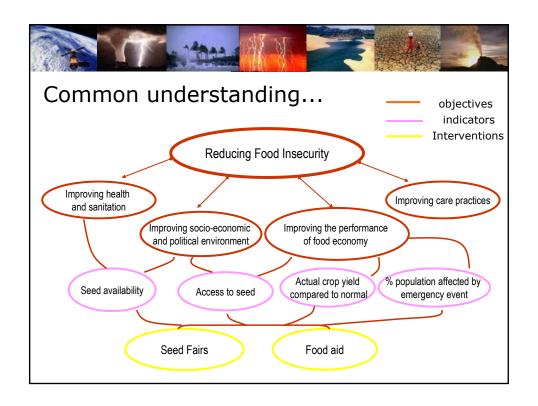


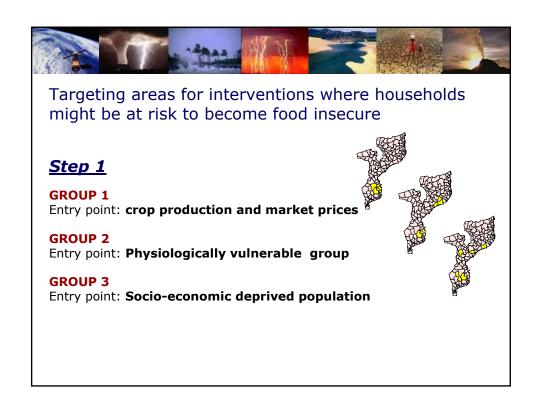


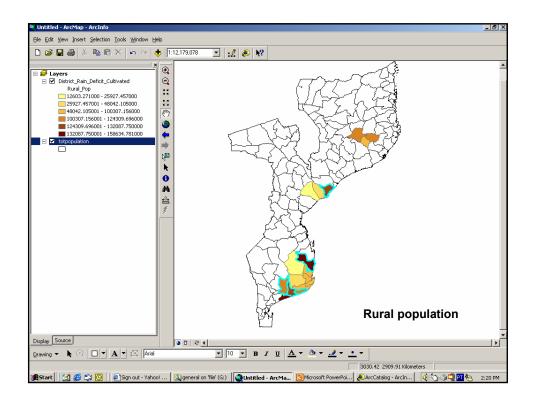


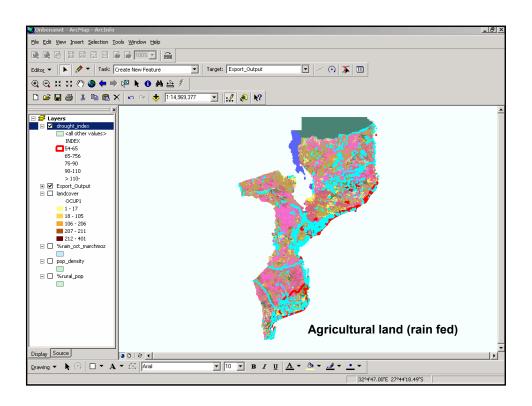


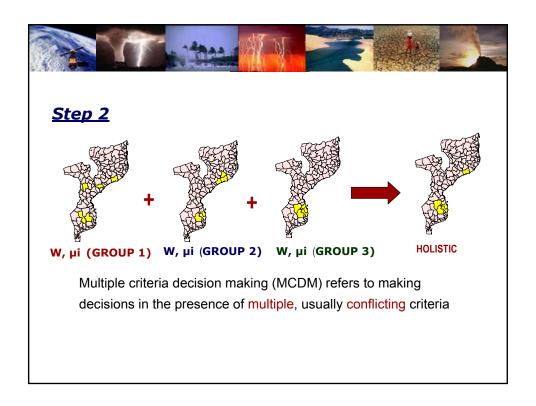
















Monitoring and impact evaluation

Monitoring provide a continuous flow of information throughout the course of the emergency cycle to make sound decisions

Evaluation is the measurement of the outcomes of an intervention in comparison to its objectives



Partners' roles in follow-up activities

Trainees

Make use of the tools Provide feedback to instructors/developers

Instructors

Provide continuous support to trainees in the use of the tools

Improve and customize the tools and training materials, by focusing on the lessons learned during the workshop and the close monitoring of users' needs

Support mechanisms

Commitment to support this process and ensure its continuity

- Mailing list
- Reporting activities
- Information working group
- Follow-up activities: FAO HQs, Provincial level, other countries



Mozambique experience

- · Partnership is key
- · On-going learning process for all partners
- Integration of environmental and socio-economic data
- Clear linkage between the data tools and the decisions to be made
- Continuous commitment to the training activity by all partners is essential for its sustainability
- South-South cooperation (trainers-to-trainers)
- · No one fits all !!
- · Monitoring and evaluation



Further demands from users...

- · Multiple criteria decision-making
- Inclusion of uncertainty, and qualitative information (expert and traditional knowledge) as other sources of information
- Improve the last section of the decision-making process
- Better understanding of the impacts of our decisions at different scales
- · Information needs assessment tool





Criteria of success Capacity Building activities

- Empowering all involved or affected stakeholders
- Improved awareness on the benefits of information and tools
- Space for interaction between different actors linked by common discourse
- Reduce the complexity of the decision problem
- Efforts should be <u>nationally-driven</u> ensuring congruence with national contexts, policies, strategies and programmes, and complemented by global efforts

... more informed decisions



Thank you!

