



Red Fox moving North into the range of the Arctic Fox



STAP Panel Members



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Ralph Sims Climate Change Mitigation New Zealand

Presentation Outline

Integration

Assembly Papers: Circular Economy - Food, and Plastics

Other STAP Assembly Papers

Work Program Screening



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Other STAP Assembly Papers

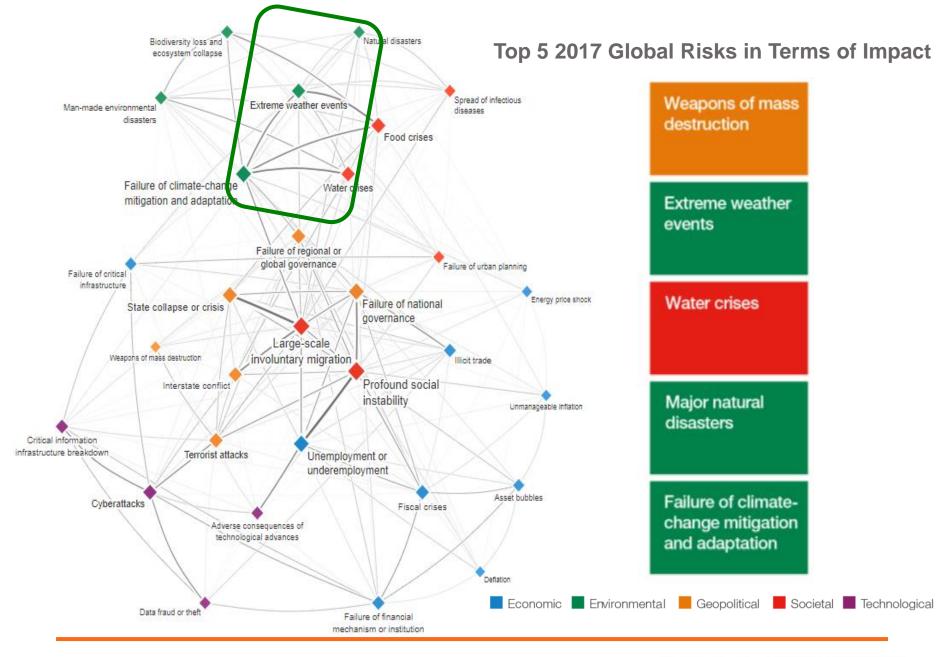
Work Program Screening



Integration in the GEF

- 1992: GEF established to support biodiversity, climate change, and desertification conventions
- 2000: OP 12 combined LD, BD, IW and CC
- 2002: multifocal area portfolio initiated
- 2014: Integrated Approach Pilot programs
- 2015: SDGs







Benefits of System Integration

- Understanding complexity
- Addressing multiple issues simultaneously
- Assessing feasibility of multiple goals



- Identifying policies and strategies
- Maximizing gains and minimizing costs

Source: https://www.thegef.org/council-meeting-documents/draft-stap-working-paper-why-scientific-community-moving-toward



OPS6: Examples of focal area integration

- Mainstreaming biodiversity associated with better outcomes & evaluations better ratings
- International waters a catalyst for integration emphasizing learning & knowledge
- Land degradation delivers GEBs in multiple FAs, and socio-economic benefits

Source: http://www.gefieo.org/evaluations/ops6-gef-changing-environmental-finance-landscape



Essential characteristics of good MFA projects

- The project objective would not be achievable by addressing a single focal area.
- There are linkages and drivers of environmental degradation common to several focal areas.
- Integration maximizes global environmental benefits and minimizes trade-offs.
- A theory of change allows robust monitoring and assessment of outputs and specific indicators.

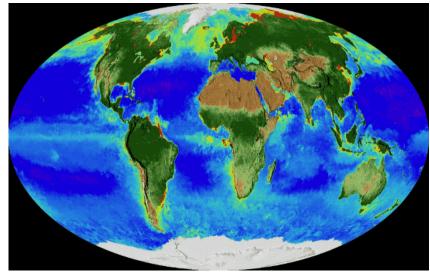
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The GEF has two unique assets

- 1. Scale
- 2. Access to Governments





Credits: NASA

Integration: IAPs







Good Growth Partnership: Cultivating Sustainability in the Global Supply Chain Sustainable
Cities –
Harnessing
Local Action
for Global
Commons

Fostering
Sustainability
and Resilience
for Food
Security in
Sub-Saharan
Africa

6 key elements for successful integration

- 1. Apply systems thinking
- 2. Articulate a theory of change
- 3. Engage stakeholders
- 4. Assess resilience



6. Develop good quality KM and learning



Source: https://www.thegef.org/council-meeting-documents/draft-stap-working-paper-why-scientific-community-moving-toward



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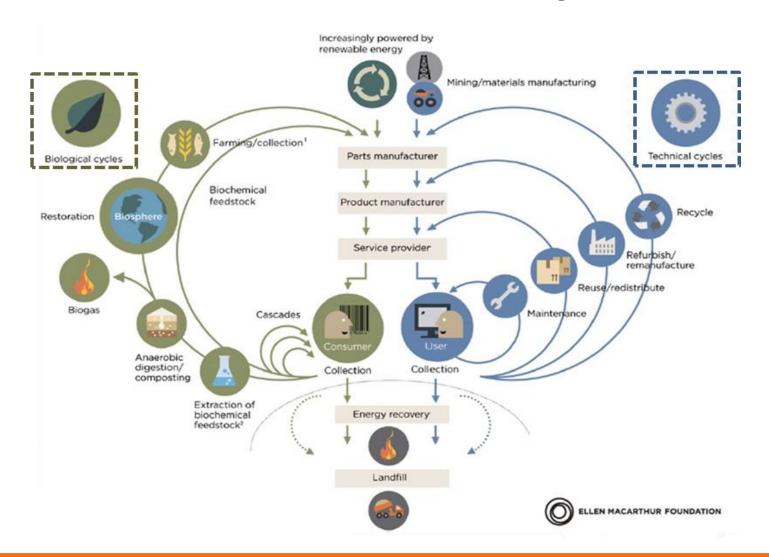
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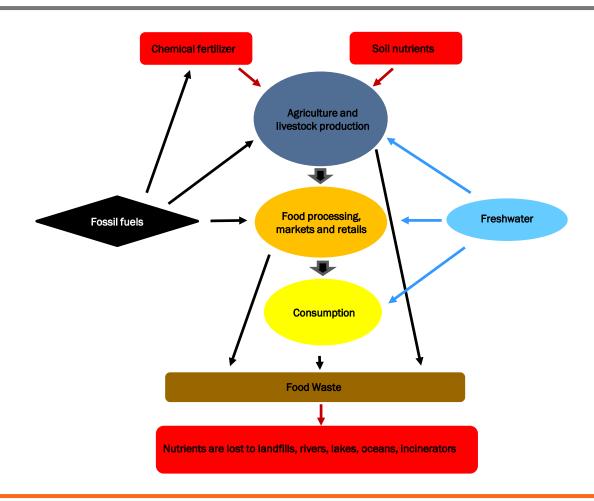
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Work Program Screening

Circular Economy



Agri-food Systems

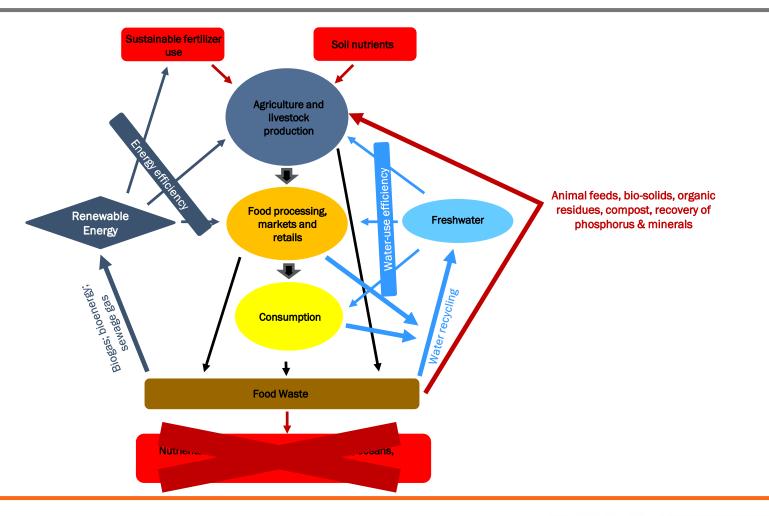


What is the issue?

- 1/3 of total end-use energy
- 1/4 of total GHG emissions
- 2/3 of terrestrial biodiversity loss
- 1/3 of land degradation
- depletion of 2/3 of commercial fish stocks
- over-exploitation of 1/5 of the world's aquifers



Agri-food Systems - more sustainable





What is the solution?

- Closing the nutrient cycle
- Reducing competition for productive land
- Reducing chemical fertilizers
- Reducing freshwater use
- Maintaining sustainable agro-ecological systems
- Deploying low-carbon energy, waste for energy
- Producing food within the urban landscape



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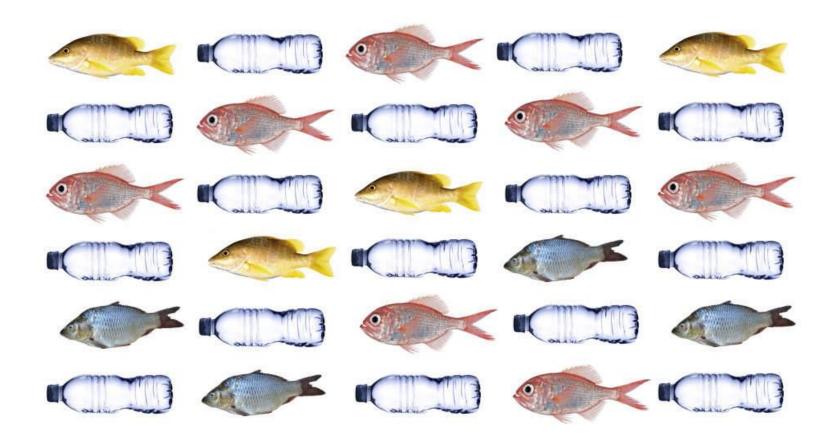
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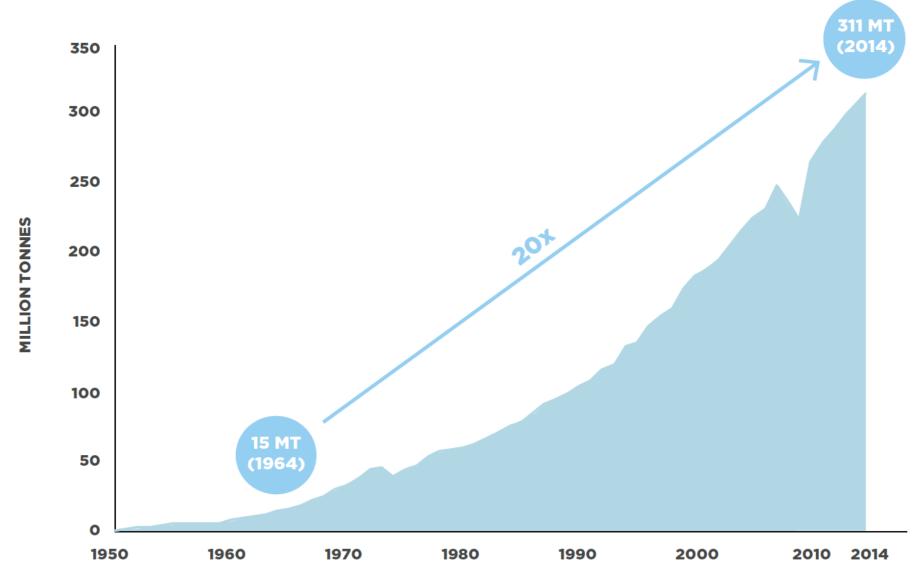
Assembly Papers: Circular Economy - Food, and **Plastics**

Other STAP Assembly Papers

Work Program Screening

Plastics





Source: World Economic Forum: http://www3.weforum.org/docs/WEF_The_New_Plastics_Economy.pdf



What is the issue?

- Plastic production increased 20x 1964 -2015
- Expected to double in 20 yrs; quadruple 2050
- Some contain toxic chemicals (POPs)
- Stay in environment for up to 500 yrs
- End up in the food chain
- Projected to use 1/5 of oil by 2050





What is the solution?

Design for longevity, reusability, waste prevention

- Encourage production from biodegradable materials
- Use waste as a resource
- Recover for reintroduction back to the economy
- Provide incentives for recycling and reuse
- Support innovative research
- Create a supportive policy environment



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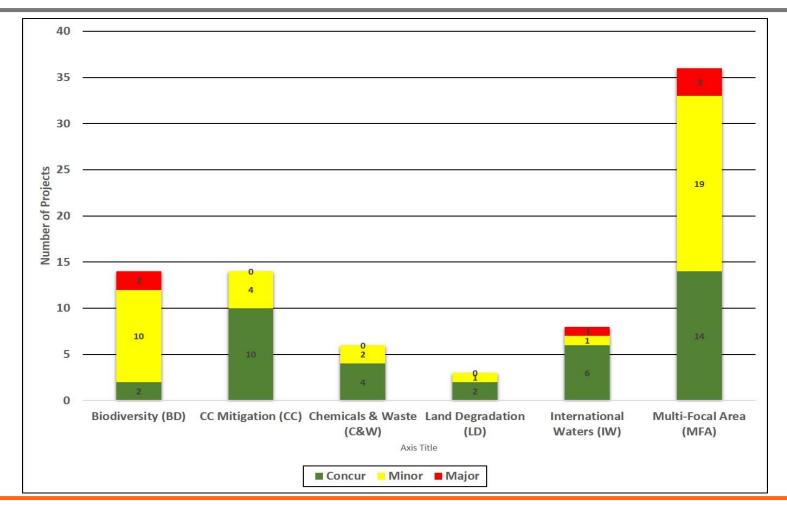
2018 STAP Assembly Papers

Five other papers for GEF Assembly:

- 1. Environmental Security
- 2. Novel Entities
- 3. Innovation
- 4. Local Commons/Global Benefits
- 5. Key interactions between MEAs and SDGs
- 6. Science of integrated approaches
- 7. Knowledge Management
- 8. Circular Economy: Food and Plastics



Observations on the GEF Work Program





Observations from Work Program

- 82 projects screened representing about \$500m.
- 6 majors (7%), slightly lower % than usual.
- Good projects: clearly described, with a good theory of change; demonstrate strong understanding of the social-ecological system; build on strong baselines; well-designed interventions; engage all stakeholders; and capture learning.
- Some projects would benefit from: a clearer logic; assumptions substantiated; clearly defined strategies to address key drivers; resilience and adaptive management.



Questions?



