

The 4Fs Initiative

**Managing Landscapes for Food, Fuel, Fiber and Forests:
Seeking Innovative approaches in a time of
food insecurity and climate change**

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The Forests Dialogue

*Regional Dialogue on Women's Inclusion
in Landscape Management in Asia*

7 October – Chiang Mai, Thailand



A planet under pressure



One planet. The only
one we have.



From WWF's Living Forests Report



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We currently use natural resources as if we had 1.5 planets.





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We'll need more than 2 planets by 2030 if we carry on as we are.





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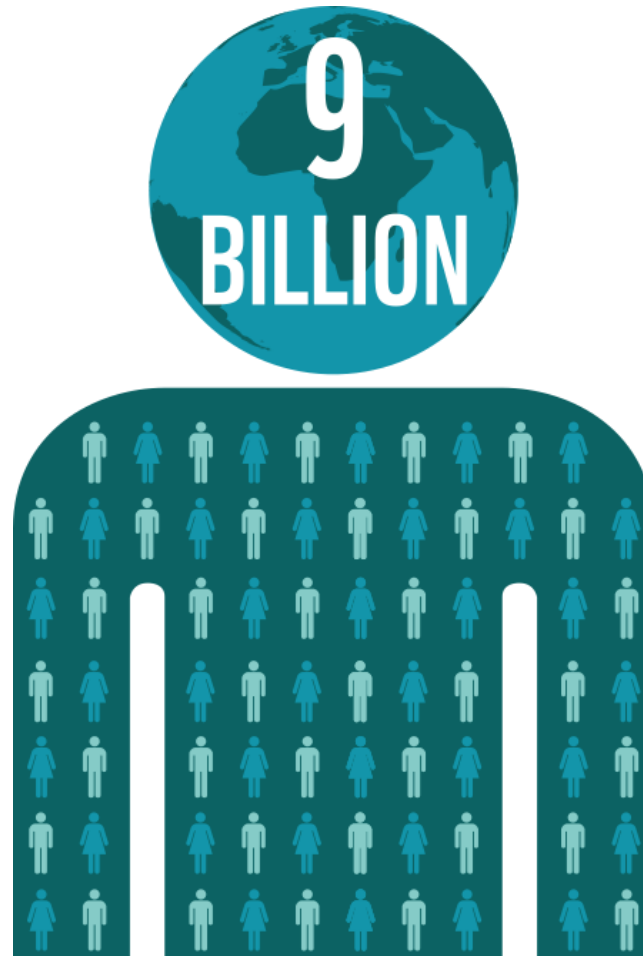
The world's population is set to grow from 7 billion today...





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...to more than
9 billion by 2050.



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Per capita income is set to rise by 290%...



global
incomes will
almost
triple



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...leading to increased consumption.





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We need to expand global food production by 70%...



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...even as climate change increases the pressure on crop yields.



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By 2025, at least 3.5 billion people will live in water-stressed river basins.



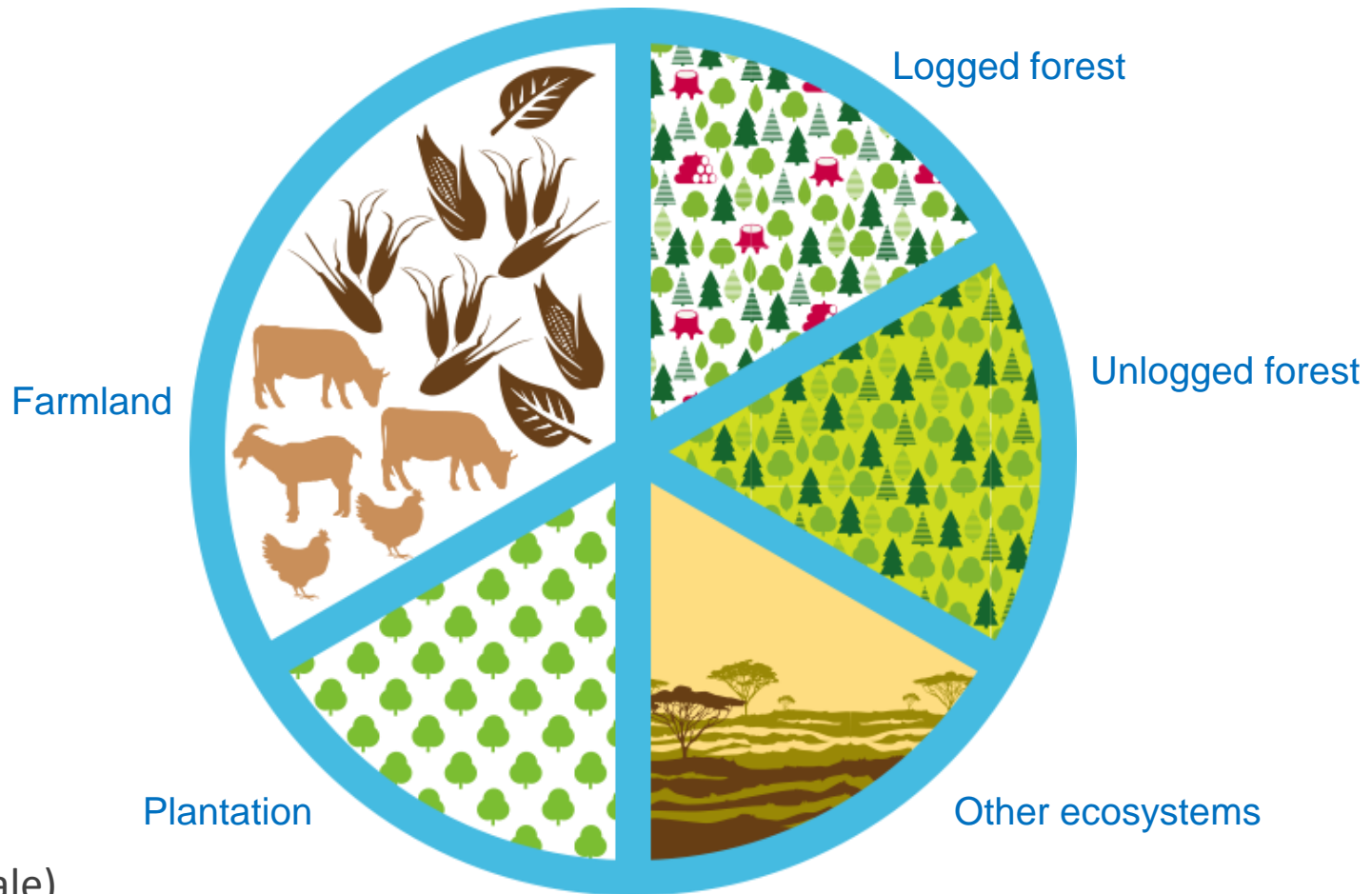
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Biodiversity has declined
by 30% since 1970,
according to WWF's
Living Planet Index.



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TODAY



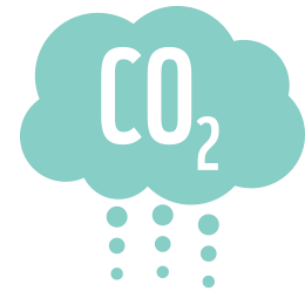
(not to scale)

The Big Squeeze

2050



High greenhouse gas emissions



Huge decline in biodiversity



Drivers of Deforestation



	Livestock	Large scale agriculture *	Small scale agriculture and colonisation	Unsustainable logging	Pulp plantations	Fires	Charcoal and fuelwood	Mining	Infrastructure	Hydro-electric power
Brazilian Amazon										
Andean Amazon										
Choco-Darien										
Cerrado										
Atlantic Forest/ Gran Chaco										
Congo										
Coastal East Africa Forests										
Borneo										
Sumatra										
Greater Mekong										
New Guinea										

Primary cause of deforestation and severe degradation
 Important secondary driver of deforestation and severe degradation
 Less important driver of deforestation and severe degradation
 Not a driver of deforestation and severe degradation

The 4Fs Challenge



- Agricultural expansion leading deforestation;
- Food security clashing with mitigation and conservation;
- Lack of engagement between land use interests and climate initiatives.

4Fs Initiative Targets

- Build cross-sectoral, multi-stakeholder platforms to drive innovative landscape approaches
- Identify best practice with landscape-level, land-use decision making
- Engage full commodity supply chain in creating a more landscape based approach
- **Greater coordination between interventions**





4Fs in Brazil



4Fs in Indonesia



4Fs in Finland



Challenges – How to?



- intensify land-use without causing environmental or social harm?
- conduct integrated, participatory and rights-based land-use planning?
- better value ecosystem services when making land-use decisions?
- support family based sustainable farming?
- change consumption patterns?
- create international standards and policies that help?

Key Learnings

- Private sector engagement essential to integrated land-use approaches (ILU);
- Enabling conditions, such as access to capital for SMEs, participatory decision making or conducive public policies, support sustainable ILU;
- New partnerships across sectors and among stakeholders is needed to provide leadership and catalyze action.



“Landscapes Consortium”



- Projects established and managed in key landscapes
- Direct coordination with private sector via supply chain
- Tangible, measurable, implementable actions for impact on the ground and among Consortium partners
- Creation of ongoing engagement processes

ขอบคุณ

TFD Documents and Publications

Available electronically at:
www.theforestsdialogue.org

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The Forests Dialogue

Purpose

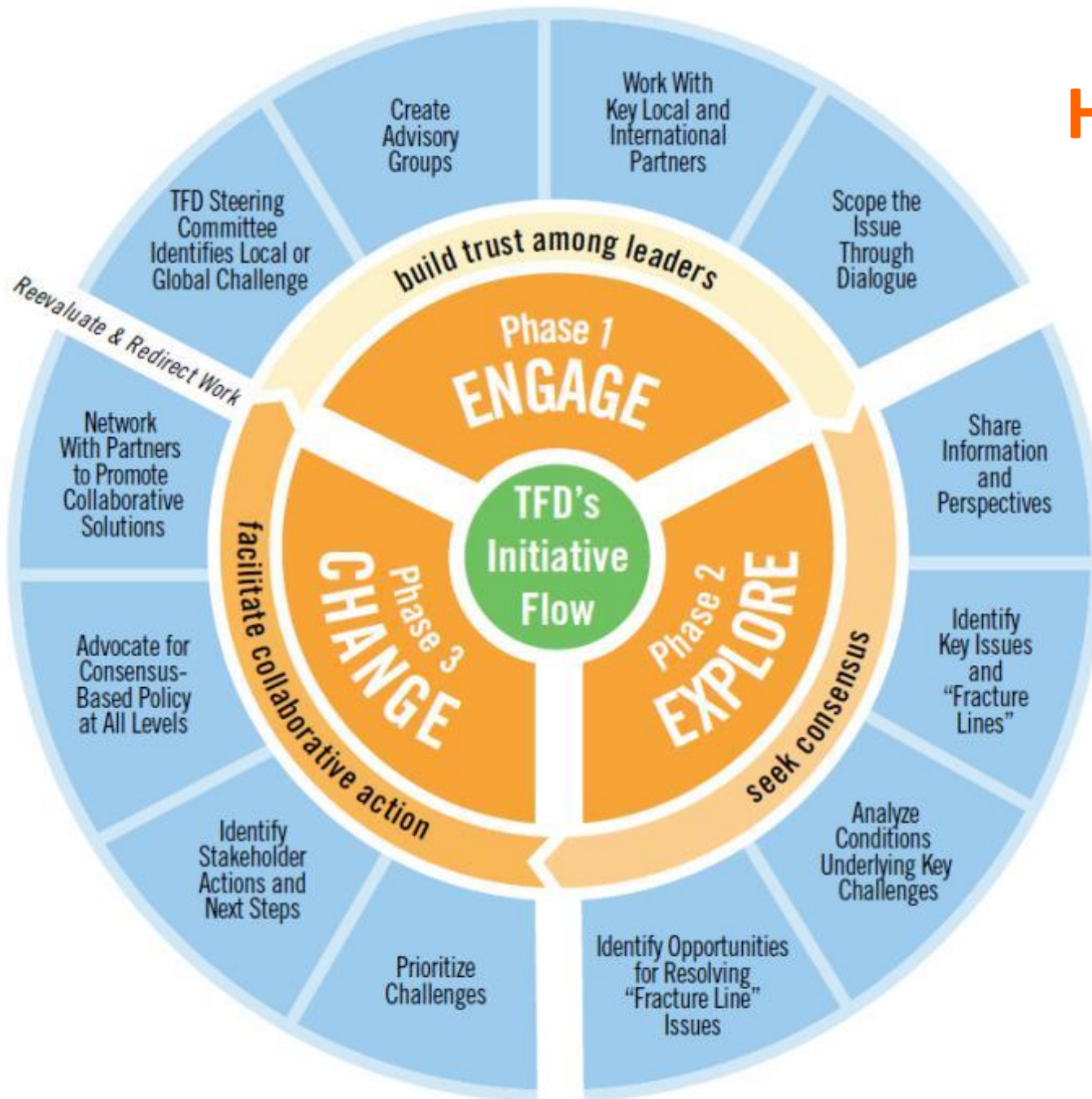
- Established in 2000 by NGO and Business Leaders
- Reduce conflict among stakeholders in the forest sector
- International platform and process to discuss key SFM and conservation issues
- Build mutual trust, enhanced understanding and commitment to change

Structure

- Steering Committee
- Secretariat
- Network of Partners



How TFD Works



TFD Initiatives

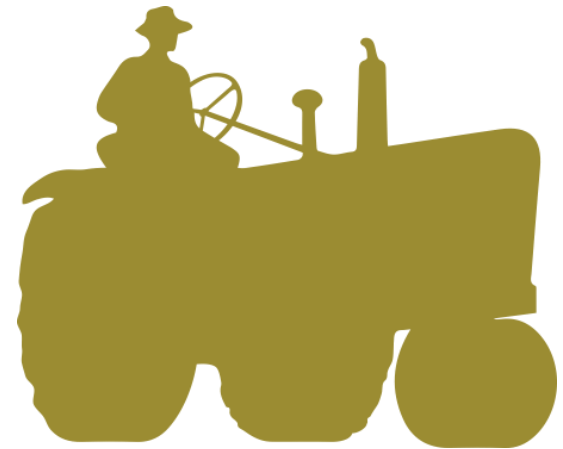
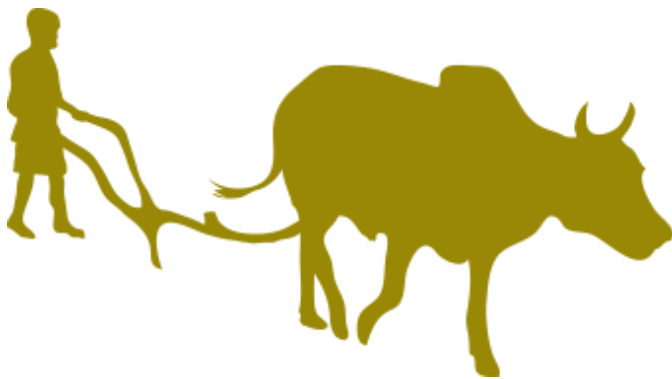
Priority SFM Issues

- Food, Fuel, Fiber and Forests
- REDD+ Benefit Sharing
- Genetically Modified Trees
- Free, Prior, and Informed Consent
- Investing in Locally Controlled Forestry
- Forests & Poverty Reduction and Rural Livelihoods
- Intensively Managed Planted Forests
- Illegal Logging and Forest Governance
- Forests and Biodiversity Conservation
- Forest Certification



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Over the next 40 years, we'll need to produce as much food as we've done in the last 8,000 years of agriculture.



REDD Success



2050



Food prices rise a little



Decline in grassland, shrubland biodiversity



Strict Conservation

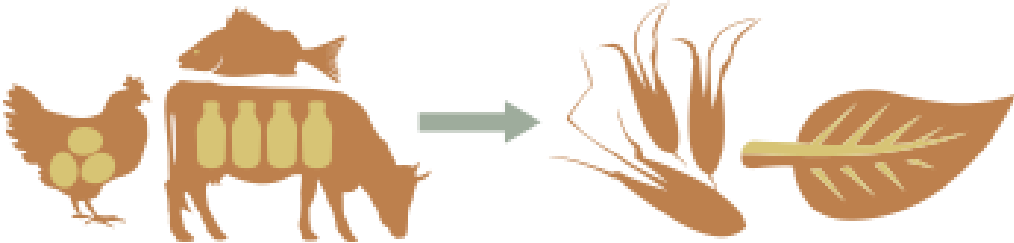


Farms and forests cannot meet projected global demand for food, timber and bioenergy.

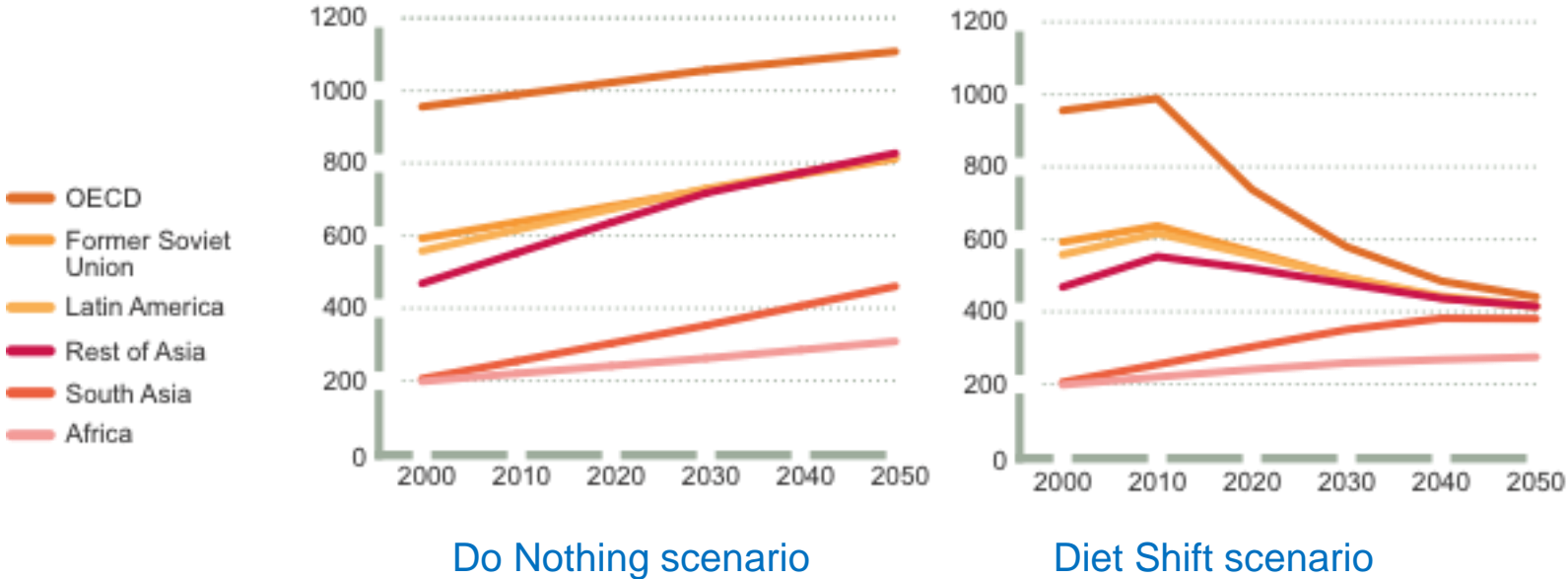
Food prices skyrocket.



Diet Shift



Per capita consumption of animal calories (kcal/cap/day)



Diet Shift



Food prices remain stable



More biodiversity protected in other ecosystems

