



WORLD
RESOURCES
INSTITUTE



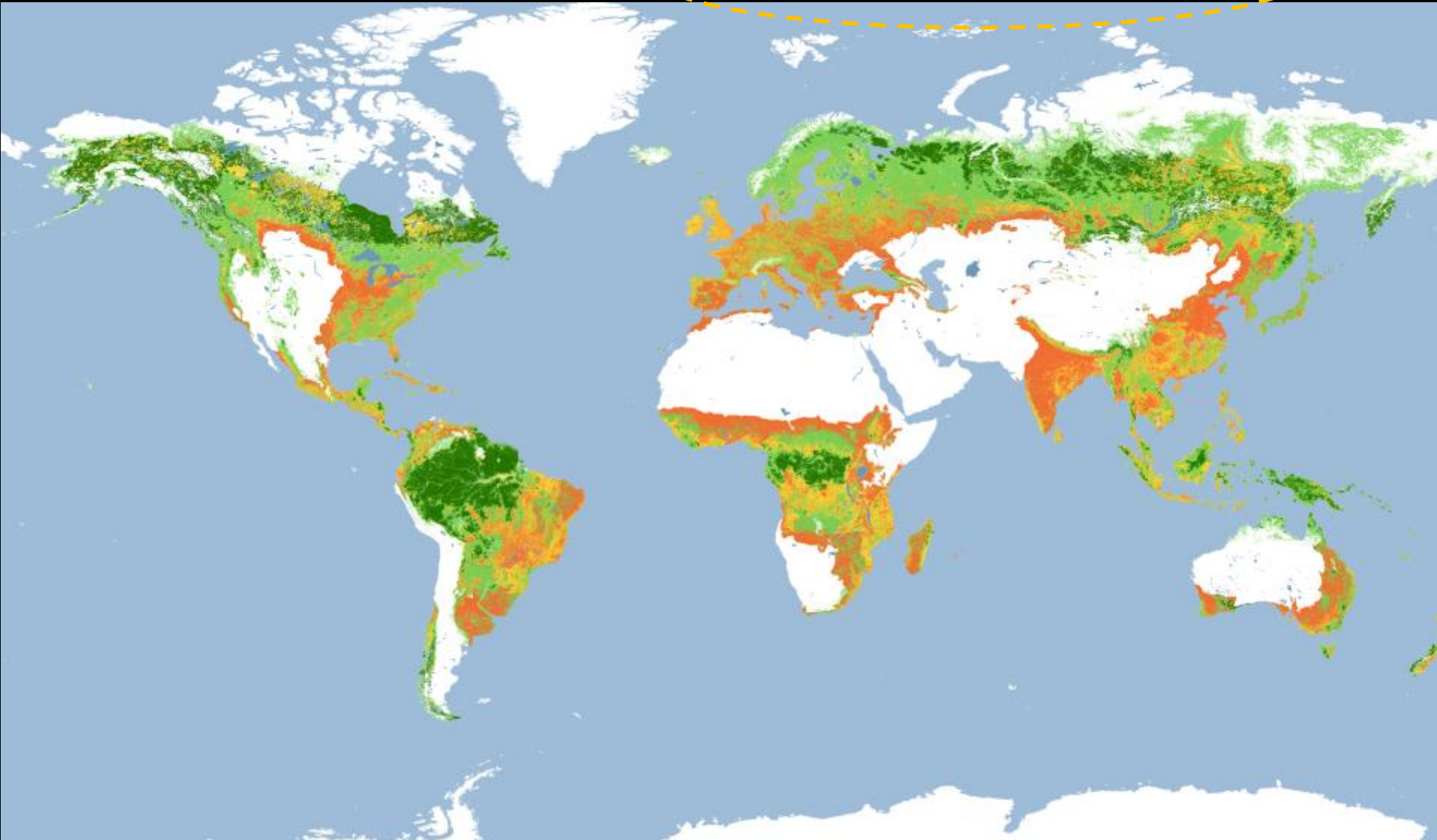
New tools to support conservation and forest restoration

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Current status of forest area

■ Intact ■ Fragmented ■ Degraded ■ Deforested



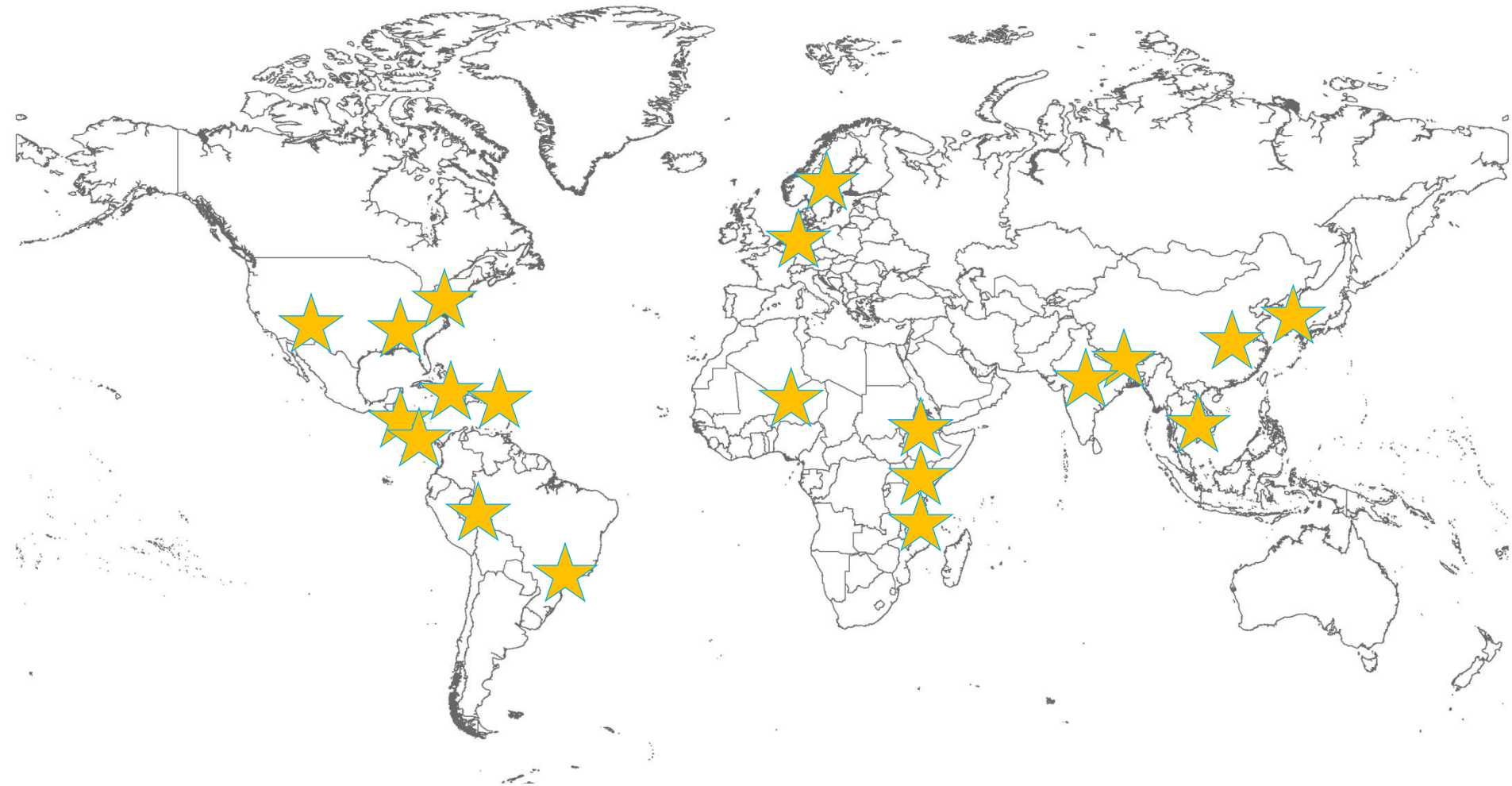


“Rapid enabling conditions diagnostic”

Looking back to look ahead



Case studies



South Korea

Impact	<ul style="list-style-type: none">• Increasing tree cover in the country from 35% to 64% (1952-2007)• Increased forest density 14x , population grew by 2x, and economic growth by 300x (1953-2007)
Motivation	<ul style="list-style-type: none">• Landslides, floods, and shortage of wood• President Chung-hee made restoration a national priority• Large reforestation campaigns
Contributing factors	<ul style="list-style-type: none">• ↓ demand for fuelwood (90% of energy in 1950, 5% in 1980)• Urbanization• Good coordination between different levels of government
Implementation	<ul style="list-style-type: none">• Series of 10-year reforestation plans (1973-today) with goals for funding, outreach, public participation, and implementation• 460 experts in nurseries, well paid, production of 500 million stems / year

Southeastern United States

Impact

- 6 million hectares restored (1920-1970)
- ↓soil erosion, ↑ economic activity from industrial forestry

Motivation

- Massive soil erosion and a shortage of wood
- Unemployment (“The Great Depression” of the 1930s)

Contributing factors

- Secure property rights
- Homeowners benefited from replanted trees
- ↓ demand for fuelwood

Implementation

- Government subsidies and employment programs
- Outreach and extension programs by the government and private companies

1. Select area/geographic region



2. Diagnose the condition regarding the success factors



Topic
Implement
Enable
Motivate

Topic	Feature	Key success factors
Motivate	Benefits	• Restoration generates private benefits
		• Restoration generates public benefits
		• Restoration generates environmental benefits
	Awareness	• The public is aware of the benefits of restoration
		• Restoration opportunities are identified
	Crisis events	• Crisis events are leveraged
	Legal requirements	• National and international laws require restoration
		• The laws are understood and applied
Enable		
Implement		

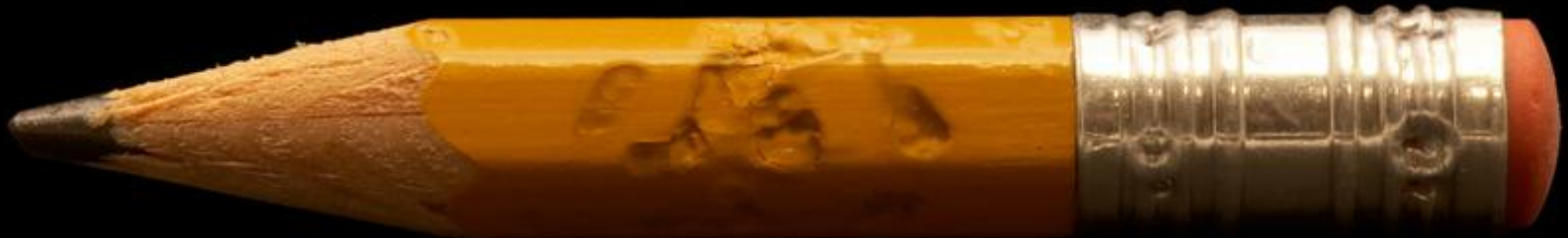
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Enable	Ecological conditions	• Soil, water, climate and fire conditions of are suitable for restoration
		• The plants and animals that may impede the restoration are absent
		• Native seeds or species are available
	Market conditions	• Competing demands of degraded forest land decrease
		• Value chains for products of restoration exist
	Political conditions	• Land and natural resource tenure is in place and assured
		• Policies affecting restoration are aligned and optimized
		• Logging restrictions in natural/primary forests
		• Felling restrictions are in place
	Social conditions	• The local population is empowered to make restoration decisions
		• The local population benefits from restoration
	Institutional conditions	• The roles and responsibilities of restoration are clearly identified
		• There is effective institutional coordination
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Implement	Leadership	• There are local advocates/'champions' of restoration
		• There is sustained political commitment
	Knowledge	• There is specific knowledge of relevant candidate landscapes to restore
		• Specific knowledge of restoration transferred between collaborators or through extension services
	Technical design	• Restoration design is based on technical knowledge future climate scenarios
		• Positive incentives and funds for restoration outweigh the negative incentives
	Finance and incentives	• Incentives and funds are easily accessible
		• An effective system of performance monitoring and evaluation is in operation
	Feedback	• The benefits are diffused amongst beneficiaries

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Limitations

- The factors are interrelated
- No single case has every key success factor
- The more factors that are in place, the greater the chance of success



3. Identify policies to fill in the gaps on the key success factors



