



How can forest industries support resilient landscapes in the South?

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Ola Svending, Environmental Affairs Manager

Stora Enso in brief

Stora Enso is a leading provider of renewable solutions in packaging, biomaterials, wood and paper on global markets. Our customers include packaging, joinery and construction industries as well as publishers, printing houses and paper merchants.

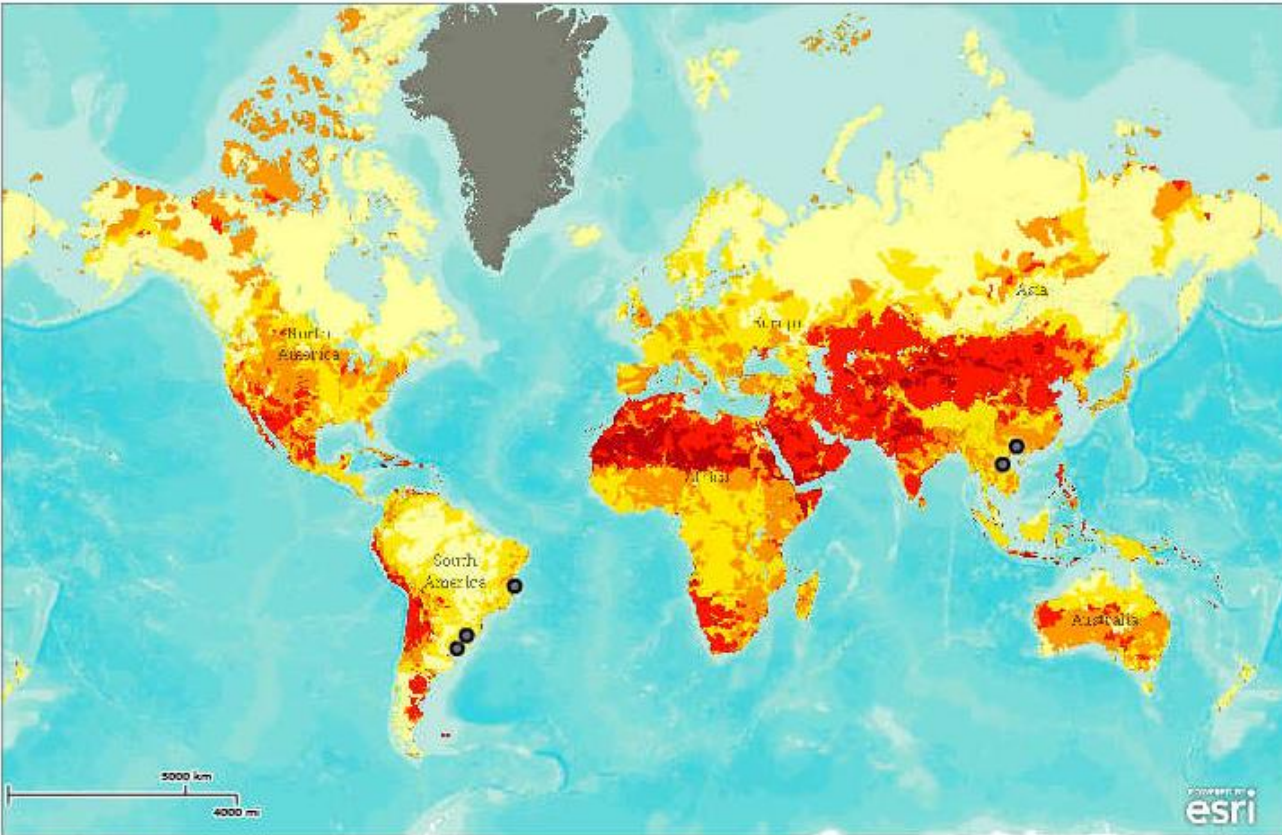
The Group has some 27 000 employees in more than 35 countries, and is publicly traded in Helsinki and Stockholm. Sales 2014: EUR 10.2 billion.

Stora Enso's strategy is to transform from a traditional paper and board producer to a renewable materials growth company focusing on customers and innovation.

Location of plantations on the WRI/Aqueduct, overall water risk map

 AQUEDUCT

Overall Water Risk
Default



Data provided by:  WORLD RESOURCES INSTITUTE

April 01, 2015

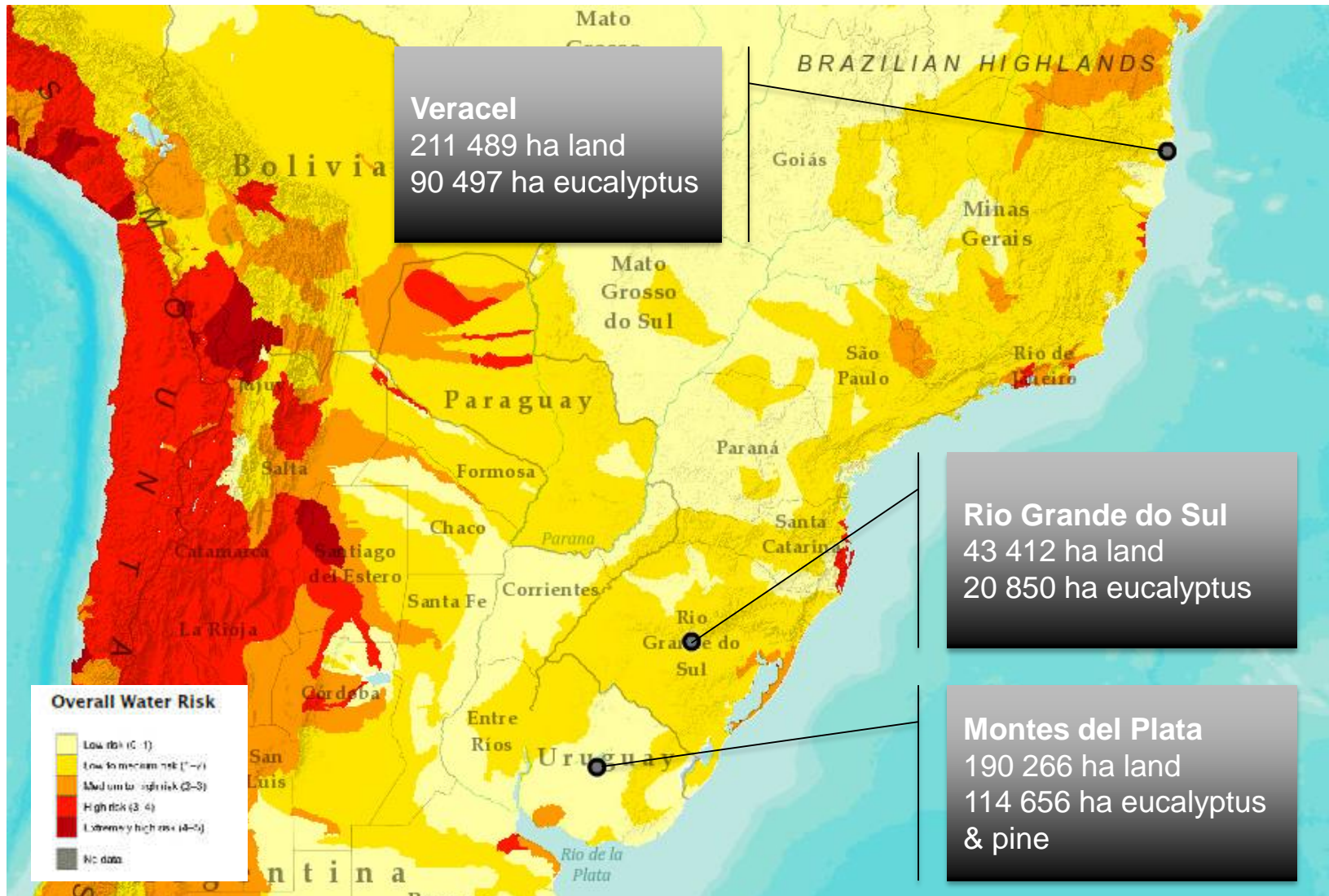
Success factors for plantations:

- Climate & precipitation
- Manageable CSR/HR risks
- Affordable & suitable land/soil quality
- Long term land contracts & political stability
- Efficient infrastructure to reach pulp/paper mill and their market
- Competent staff

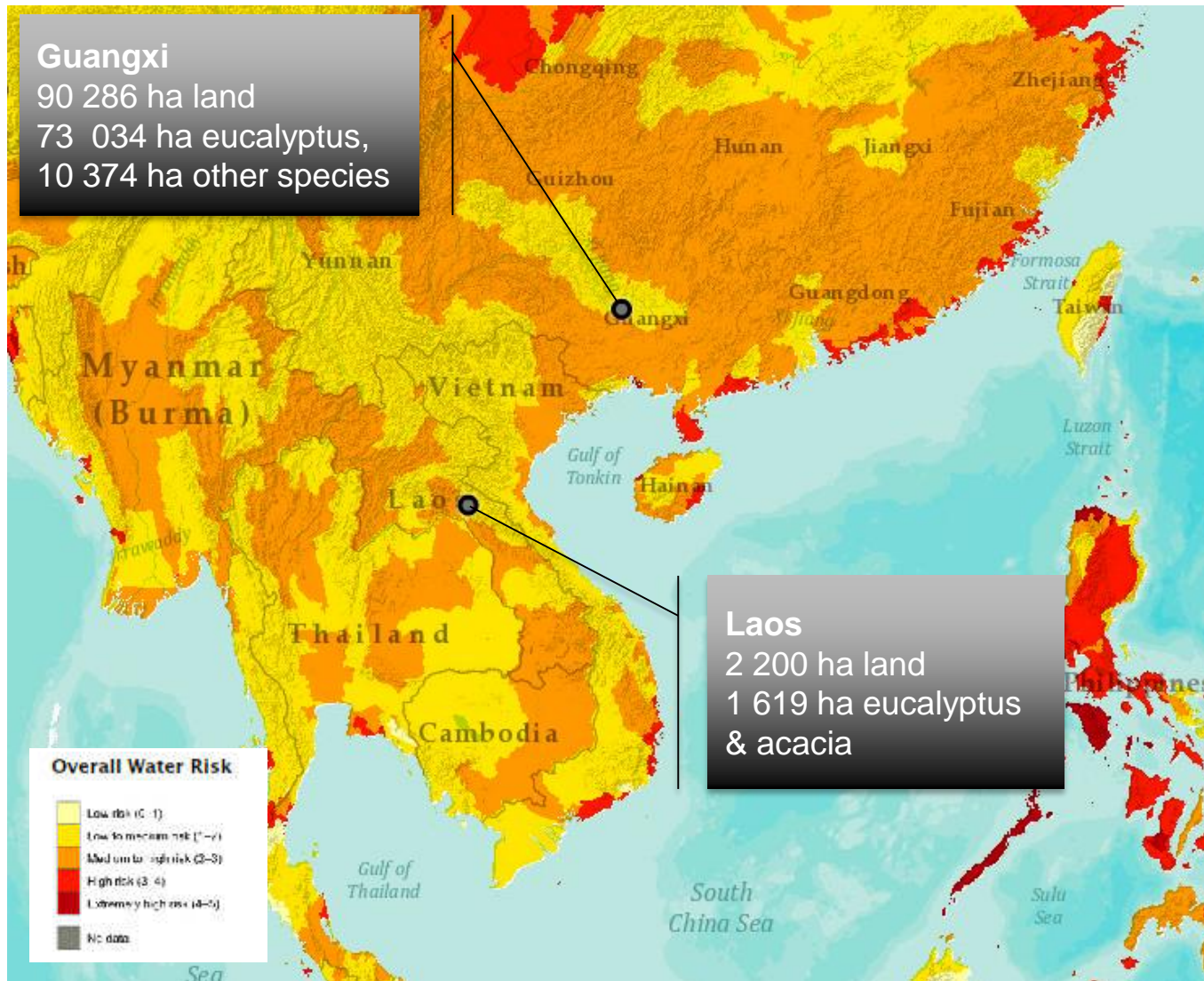


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Location of plantations in south America on the WRI/Aqueduct, overall water risk map



Location of plantations in South-east Asia on the WRI/Aqueduct, overall water risk map



Veracel, BRA

- Appr. 50% of land area (211489 ha) set aside to re-establish natural forest
- Land used to be degraded pasture land and previously Atlantic Rainforest
- Appr. 400 ha of natural forest is re-established annually, mainly in valleys and areas around watersheds
- Connect Atlantic Rainforest fragments by creating corridors of flora and fauna
- Natural forests in mosaic landscapes:
 - adds and connects bio-diversity
 - reduces soil erosion
 - forms water buffer zones



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Veracel, BRA

- Water monitoring program since 2005 in cooperation with University of Sao Paulo
 - No significant difference from natural forest and plantation in terms of water quality or quantity
- FSC & PEFC certified
- Participant of the New Generations Plantations
- Sharing value:
 - 30 000 new jobs
 - 90 independent tree farmers
 - 100 honey producers
 - 30% increased local agricultural production



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Guangxi, PRC

- Long term leasing of state owned land designated for forestry/plantations
- Long tradition of eucalyptations
- Remote, steep areas not suitable for agriculture
- No set-asides for natural forests
- Low density plantation strategy creates ground vegetation, which adds bio-diversity and reduces soil erosion



Guangxi, PRC

- Soil erosion is also a challenge during harvesting and when constructing roads
- Water monitoring program in place, but difficult to compare to natural state
- Quangxi Water Stewardship – Shared Value Creation project: <http://waterguangxi.com/>
- One of the first to be FSC certified in China
- Participant of the New Generations Plantations
- Bio-diversity monitoring project with Fauna & Flora International

Thanks!

Ola Svending
+46 70 6521830

ola.svending@storaenso.com



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