

# Gael Sola

Forest monitoring expert

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*At the interface between countries technical experts and decision makers to improve forest management and protection*

## Experience

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### FAO - Food and Agriculture Organization of the United Nations

2014–present **Forestry and REDD+ technical expert**, *UN-REDD Programme*, Viet Nam and South-Southeast Asia.

- Support the development of improved **forest monitoring** in Viet Nam:
  - Analyze historical national forest **inventories** and forest cover maps,
  - Pilot **updated methods** for (1) forest cover and cover change maps, (2) national forest inventory field manual and quality assessment/quality control,
  - Organize **participatory workshops** on monitoring systems for local forest activity in six provinces,
- Provide **training** and technical support on forest **data analysis** and model development with **R** (Bangladesh, Cambodia, the Philippines, Thailand).
- Support the design, implementation and update of **National Forest Inventories** (Bangladesh, Cambodia, Thailand).

2012–2014 **Forest inventory and biomass assessment expert**, *UN-REDD programme*, FAO HQ, Italy.

- **Conduct training, develop guidelines** and training materials for field work, data exploration and data analysis on developing tree biomass allometric equations (Vietnam, Cambodia, Zambia, Tanzania, Congo, DRC).

### Research Institutes / NGOs

2011–2012 **Research assistant**, *Centre de coopération internationale en recherche agronomique pour le développement (CIRAD)*, Republic of the Congo.

Installation and monitoring of experimental sites, contribution to data analysis and scientific production.

2009 **Technical assistant**, *Groupe énergies renouvelables, environnement et solidarités (GERES)*, Cambodia, 6 months.

Wood supply and demand analysis on Phnom Chumriey area.

2008 **Research assistant**, (*CIRAD*), Republic of the Congo, 6 months.

Study of the nutrient losses by erosion and run off intensity on eucalyptus plantations.

## Education

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2006–2010 **Master of forest science**, *AgroParisTech-ENGREF*, France.

- **Sustainable** management of **tropical** and temperate **forests**.
- Forest and **climate change** mitigation (MDP, REDD).
- **International policy, economy** and **sociology** applied to **natural resources** management.

### Masters Thesis

Title Formal and informal wood supply chains in two forest areas of Madagascar East Coast (CIFOR-HELVETAS)

Supervisors Professor Jean-Laurent Pfund

Description A deep dive into the harsh reality of the illegal wood commodity chains in and around forest protected areas, revealing the importance of timber logging for local communities around protected areas and quantifying the distribution of revenues from the forest to the main markets.

## Languages

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French	★★★★★	English	★★★★☆	Vietnamese	★☆☆☆☆
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## Computer skills

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Statistics/data science R, SAS, SQL, Python, Linux

Office suites MS Office, OpenOffice,  $\LaTeX$

Geographic Information systems QGIS, ArcGIS, Erdas, R

## Interests

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### Interests

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Music	Volunteering in many music festivals: Jazz In Marciac, Nancy Jazz Pulsation, Art Rock. Long practice of French horn and trombone in many brass and reed bands.					
Summer camp	Youth leader then director assistant (team manager) in summer camps					
Travels	Lover of world cultures and change of scene (many travels within internships or holidays). Interests in travels close to nature. <table> <tr> <td>- Nature, Hiking</td> <td>- Music</td> </tr> <tr> <td>- Cooking</td> <td>- Travels</td> </tr> </table>		- Nature, Hiking	- Music	- Cooking	- Travels
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