

Juliette Langlois, 27 years

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PhD student in Environmental Sciences

Life Cycle Assessment & Bioenergy



TRAINING AS AGRONOMIST, BOTH THEORITICAL AND PRACTICAL

2005-2009 **Agronomist** (Master 2 degree in Montpellier SupAgro, France) - specialized in **Green Chemistry** and **Bioprocesses** (including 3x6 months-internships)

PROFESSIONAL EXPERIENCE BASED ON ENVIRONMENTAL IMPACTS, BIOPROCESSES, BIOENERGIES, ALGAE - INTERNATIONAL EXCHANGES

2010-2013 **Applied research – PhD position** in **Montpellier SupAgro** / INRA-LBE Narbonne in the Environmental Lifecycle and Sustainability Assesment team (**ELSA, Montpellier, 34, France**): ecodesign of biofuel production from offshore-cultivated seaweed

- **LCA / impacts of land use, sea use** / biodiversity / ecosystem quality
- **Biofuels / seaweed** production / bioenergy

Training (75h) to: L1-students (generic skills), M2-students and professionals (LCA), M2-students (potential of seaweed as a biomass for green chemistry)

2009
6 months **Project Development** – Internship at Biocar (Pérols, 34, France): study of the **biogas** production activity and of the biomass mobilization potential in the South of France & study of **microalgae** valorization

2008
6 months **Project Development** - Internship at Etablissement des Grands Travaux (EGT, Papeete, French Polynesia): valorisation in **algaculture**, fish farming and other industrial fields, of deep oceanic waters pumped for a clean air-conditioning system

2007
5 months **Research assistant** - Internship at National Institute of Water and Atmospheric Research (NIWA, Hamilton, New Zealand): optimization of **biogas** production from **microalgae**

LANGUAGE AND TECHNICAL ABILITIES

French Mother tongue

English Good level – TOEIC : 945/990 (September 2008). Six-months stay in New Zealand & translation works of scientific and technical papers (60 pages for Cemagref)

German Basic skills

Computer skills Excellent mastery of **SimaPro**, Office, Zotero
Basic skills in Matlab/Scilab

OTHER EXPERIENCES

Sports Running, swimming, diving, climbing

Arts Music: piano, recorder, violin

Cultures discovery Long stays in New Zealand, French Polynesia
Travels in Mexico, Spain, Portugal, Germany, Italy – Classes of mandarin chinese

PUBLICATIONS

Langlois J., Hélias A., Delgenes J.-P., Steyer J.-P. 2011. Review on land use considerations in life cycle assessment: methodological perspectives for marine ecosystems. In *Towards Life Cycle Sustainability Management*, 85-96. Springer. Matthias Finkbeiner ed.

Langlois J., Sassi J.-F., Jard G., Steyer J.-P., Delgenes J.-P., Hélias A. submitted in *Biofuels, Bioproducts & Biorefining*.

CONFERENCES

Oral presentation

Langlois J., Hélias A., Delgenes J.-P., Steyer J.-P. Review on land use considerations in life cycle assessment: methodological perspectives for marine ecosystems.

- Life Cycle Management 2011 (Berlin, Germany, 2011)
- Congrès ACV [AvniR] (Lille, France, 2011), invited speaker

Poster presentation

Langlois J., Hélias A., Delgenes J.-P., Steyer J.-P. Environmental assessment of a biomethane production system from offshore-cultivated macroalgae.

- Life Cycle Management 2011 (Berlin, Germany, 2011), conference proceedings: 12p.
- Alg'n Chem (Montpellier, France, 2011)
- Congrès ACV [AvniR] (Lille, France, 2011)
- Ecotech&tools (Montpellier, France, 2011)