



## Marie Colson

**Nationality:** French 📞 (+49) 6221476730 **Date of birth:** 31/12/1983

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### WORK EXPERIENCE

#### Project leader

*ifeu* [ 08/2016 – Current ]

City: Heidelberg

Country: Germany

Since 2016 Marie acts as scientist and project manager in international, European as well as German research and consulting projects on transport emission inventory, scenario development and MRV process.

#### Transport GHG emission quantification and methodology (inventory and scenarios)

- Data analysis and computation of road mileage as well as biofuel data for the Germany inventory using TREMOD (TRansport Emission MODel), 2017-ongoing
- Review and co-development of an online course on MRV for Sustainable Transport conceived by the GIZ (2022-ongoing)
- Development of a methodology and an excel tool to quantify transport GHG emissions reduction of projects financed by the KfW, and accompanying documents (2021-ongoing)
- Creation of the Mobilise your city (MYC) GHG emission calculator and accompanying documents (methodology & user guide) - last version 1.4 (2018-ongoing)
- Quantification of GHG emissions reduction for feasibility studies of BRT projects in 5 Indonesian cities - Indobus, GIZ (2019-2022)
- Creation of a prototype of a transport databank focusing on developing countries, GIZ (2021-2022)
- **Support on the creation and institutionalization of an Inventory/MRV system for the Moroccan Road Transport sector, GIZ (2020-2021)**
- Strategic and technical support in the development of long term decarbonization strategy for Mexican Transport Sector with a focus on freight transport sector, ICM/GIZ (2020-2021)
- Ad-hoc consulting for Latin America consultants (Hills) on MYC tool usage (2019-2020)
- Review of the methodological guide "Design of monitoring, reporting en verification systems for electric bus project - case-study in Columbia", GIZ (2020)
- **Development and implementation of a MRV (Monitoring, Reporting, Verification) methodology to assess GHG emissions of road and rail sectors in Tunisia GIZ (2017-2018)**
- Analysis of transport sector, definition of scenarios promoting alternative fuels in Cyprus road and maritime sectors and calculation of GHG emission savings compared to a BAU scenario GIZ, 2016-2017
- Development of support material (guide/papers) and training for a Vietnamese delegation on inventory methodology, GIZ (2016-2017)

#### Political analysis of regulations and directives related to transport policies

- Support in drafting the national policy framework (NPF) for alternative fuel infrastructure in Malta for the Maltese Government, submitted to the European Commission (2017-2018)
- Political analysis of European policies in the transport sector, among others AFID (2014/94/EU) for compliance of Cypru, GIZ (2016-2017)

#### Transport Consultant

*Siemens* [ 09/2011 – 06/2016 ]

City: Munich

**Country:** Germany

Within 4 years in the mobility consulting department of Siemens both in Berlin and Munich, Marie acted as consultant up to 2014 and then senior consultant, supporting governments and cities worldwide on developing sustainable transport solutions, using Siemens technical knowledge.

#### Transport GHG emission quantification and impact of policy measures on transport systems

- Development of a tool to assess the impact of policy measures on BRT systems (intern Siemens)
- Assessment of the impact on the modal split and corresponding GHG, NOx and PM emission savings (calculated on COPERT software) of the implementation of a 2 LRT lines in the city of Turku; recommendation on supporting policy measures to ensure a successful implementation, *Light Rail Impact study for the city of Turku*; Siemens 2012
- Co-project management, including 6 months on site, on the calculation of climate scenario for the city of Singapore including 39 transport levers, *Singapore Resource Profiling Project*, National Environment Agency of Singapore, 2012-2013
- Research coordination within Siemens and together with Helsinki university to develop a roadmap up to 2050 including 26 transport levers to reduce Helsinki global CO2 emissions by 60% by 2030 in the transport; building and heating sectors are also studied, *Sustainable Urban Infrastructure in the city of Helsinki*, Siemens 2011-2012

#### Representative in international consortiums and cooperation projects

- Eliptic project: Electrification of Public Transport in Cities under the EU Project Horizon 2020
- Lead on international cooperation e.g. ICLEI-Siemens
- Organization and moderation of workshops for the public and private sector

### **Intern in the department sustainable urbanism**

**GDF Suez (Engie)** [ 08/2010 – 08/2011 ]

**City:** Paris

**Country:** France

Representation the Institute in several working groups: for AFNOR working group– an equivalent to ISO, for Orée working group (Orée Association promotes integration of environmental management between businesses, public authorities and NGOs)

Participation in the creation of a French biodiversity certificate

### **Data analysts**

**Robert Schuman foundation** [ 08/2008 – 02/2009 ]

**City:** Paris

**Country:** France

Creation of the statistical annex of a book: Rapport Schuman sur l'Europe – L'état de l'Union 2009 (Paris: Lignes de Repères). Compiled data and created charts on GDP, unemployment, innovation, energy, etc. for European countries

### **Policy officer**

**Inspire Institute** [ 2008 – 2011 ]

**City:** Paris

**Country:** France

Representation the Institute in several working groups: for AFNOR working group– an equivalent to ISO, for Orée working group (Orée Association promotes integration of environmental management between businesses, public authorities and NGOs)

Participation in the creation of a French biodiversity certificate

## EDUCATION AND TRAINING

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### higher technician diploma's

*Lycée Jacques Prévert* [ 2001 – 2003 ]

Address: Boulogne Billancourt (France)

### Bachelor of Art

*University Paris-Sorbonne III* [ 2003 – 2004 ]

Address: (France)

### Master International Affairs, Environment and risks

*Sciences-Po Paris* [ 2009 – 2011 ]

Address: (France)

### Post Graduate Diploma (PdG) transport planning and engineering

*Napier university* [ 2014 – 2016 ]

Address: (United Kingdom)

## LANGUAGE SKILLS

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Mother tongue(s): **French**

Other language(s):

### English

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

### German

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

## DIGITAL SKILLS

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### My Digital Skills

Microsoft Office, Microsoft Word, Microsoft Excel, Outlook, Facebook, Google

## CONFERENCES AND SEMINARS

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### 7ème workshop du cluster franco-phone en coopération avec la FAO et l'IFDD

[ Rom, 07/2017 – 08/2017 ]

training course on calculating greenhouse gas emissions from transport on behalf of GIZ. Experts from 22 participating francophone countries took part, in the training on calculation methodology of GHG emissions of the transport sector and its application. With the help of exercises, the experts were also able to take the first steps in the bottom-up calculation of emissions from the transport sector themselves.

### Transport and climate Change Week

[ 06/2021 – 06/2021 ]

Participated in the webinar on MYC emissions calculator for Asia and was present as expert in the "expert clinic team" called up by the GIZ

## **METHODOLOGIES**

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### **Transport GHG emissions**

Specialist of IPCC guidelines and inventory methodologies, as well as Measuring reporting and verification (MRV) methods, SUMP/NUMP

## **ORGANISATIONAL SKILLS**

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### **intercultural and organisational skills**

Very good communication skills and cultural sensitivity towards working culture and communication culture in Morocco

Efficient, partner- and client-focused