



EUROPEAN COMMISSION  
Research Executive Agency  
Marie Curie Actions – Networks for Initial Training

**Project No:** 607584

**Project Acronym:** CleanSky

**Project Full Name:** Network for Cloud Computing Eco-System

## Marie Curie Actions

# Progress Report

**Period covered:** from 01/09/2014 to 31/08/2017

**Period number:** 2nd

**Project coordinator name:**  
Prof. Xiaoming Fu

**Version:** 1

**Date of preparation:** 11/09/2017

**Date of submission (SESAM):** 20/09/2017

**Project coordinator organisation name:**  
GEORG-AUGUST-UNIVERSITAET GOETTINGEN  
STIFTUNG OEFFENTLICHEN RECHTS

# Progress Report

## PROJECT PROGRESS REPORT

<b>Grant Agreement number:</b>	607584
<b>Project acronym:</b>	CleanSky
<b>Project title:</b>	Network for Cloud Computing Eco-System
<b>Funding Scheme:</b>	FP7-MC-ITN
<b>Period covered - start date:</b>	01/09/2014
<b>Period covered - end date:</b>	31/08/2017
<b>Project co-ordinator:</b>	
<b>Organisation PIC:</b>	999845640
<b>Organisation legal name:</b>	GEORG-AUGUST-UNIVERSITAET GOETTINGEN STIFTUNG OEFFENTLICHEN RECHTS
<b>Person in charge of scientific aspects:</b>	
<b>Title:</b>	Prof.
<b>First name:</b>	Xiaoming
<b>Name:</b>	Fu
<b>Tel:</b>	+49 55139172023
<b>Fax:</b>	+49 5513914416
<b>E-mail:</b>	fu@cs.uni-goettingen.de
<b>Project website address:</b>	<a href="http://www.cleansky-itn.org">http://www.cleansky-itn.org</a>

## OVERALL PROGRESS OF THE PROJECT:

### Comments:

The following progress report covers the period from September 1st 2014 to August 31st 2017 of the CleanSky Initial Training Network (ITN) project.

### PROJECT MANAGEMENT:

The Consortium Agreement was prepared and was signed by all beneficiaries of the CleanSky ITN consortium. Next to this a Partner Agreement was agreed and signed by all CleanSky partners, which defines the implementation details including management procedure and financial rules.

Two payment rates have been received by the commission.

They have subsequently been forwarded to the beneficiaries according to the formal agreements and an internal budget plan.

The project website (<http://www.cleansky-itn.eu>) was operational in project month 1 (M1), and the project communication infrastructure, including data repositories, mailing lists and accounts for social media, was established by the end of M3 well ahead of time. Templates for all issues belonging to the administrative management of the project were sent to all partners of the consortium.

The Kick-Off Meeting was organized and held in time at the University of Goettingen, Germany from 26th to 28th October 2014, i.e., the end of M2.

The first and second annual project meetings were held at the University of Goettingen, Germany on September 16th 2015, and the University of Helsinki, on June 03rd 2016, respectively. Apart from these meetings, during the reporting period the project partners regularly communicated through eMail, telephone or Skype conferences and working visits.

The third and final annual project meeting will be held with the 3rd CleanSky summer school in September 2017.

### MID-TERM REVIEW:

CleanSky ITN has passed the project midterm review, which was held in Helsinki, Finland, on June 1st and 2nd 2016. All fellows and all project beneficiaries, including associate partners, were present. After the review, the consortium submitted the periodic report for the first reporting period, which was accepted by the commission.

### FELLOW RECRUITMENT:

During the first year of the project, the consortium has worked on the recruitment of the 9 Early Stage Researchers (ESRs) and 3 Experienced Researchers (ERs).

While for some positions the recruitment was unproblematic and implemented as planned, the applications for other positions (especially the ER positions) lacked quality or could not be considered due to violations of the research experience and mobility requirements of the Marie-Curie ITN Actions.

This has led to a delay in recruitment for some positions. After all positions were filled in April 2016, all fellows have continued their work within CleanSky and there have been no further changes.

### FELLOWSHIP COMPLETIONS:

Two ERs (ER1 and ER2) have finished their 24-month fellowships within CleanSky ITN. ER1 has finished in March 2017, and ER2 has finished in August 2017. ER1 is already employed in a follow-up position in academia in the country of his fellowship (China). ER2 has just finished his fellowship and is currently in a transition period.

#### TRAINING EVENTS:

The 1st CleanSky ITN Summer School was held at the University of Goettingen from 14th to 18th September 2015, and the 2nd CleanSky ITN Summer School has been held at the University of Helsinki from 30th May to 03rd June 2016. The lectures and tutorials featured several invited world-class speakers and thereby attracted close to 30 non-fellow students and multiple senior researchers from outside the consortium to attend the summer schools.

More information about the summer schools can be found on the respective school websites (<http://cleanskysummer.uni-goettingen.de>, <http://cleanskysummer.cs.helsinki.fi>). The third summer school will be held September 4th to 8th in Beijing, China. A program is already set up (<https://nasp.cs.tsinghua.edu.cn/CleanSky/>).

Additionally, three CleanSky ITN conferences have been held at NEC Europe Laboratories (29th February to 01st March 2016), NTNU (04th to 05th August 2016), and the University of Göttingen (13th to 17th March 2017).

The latter was co-located with the International Conference on Networked Systems (NetSys 2017).

All conferences were open to public attendees, attracted close to 50 external participants from both academia and industry. Each conference focused on one particular aspect of fellow training in addition to the scientific programme. All relevant information can be found on the CleanSky website as well.

#### DELIVERABLES:

All due deliverables have been submitted and approved by the Project Officer (PO) so far. All but one deliverable have been submitted on time.

For details, please refer to the attached 3rd annual management report (D4.5).

#### MILESTONES AND SCIENTIFIC PROGRESS:

All but one of the 18 milestones due in M36 have been completed. For details on each milestone please refer to the attached 3rd annual management report (D4.5). Overall, the scientific progress has been speeding up within the last year significantly.

As particularly the ESR fellows progress to the later stages of their fellowships, the research output has improved in both quality (including publications at signature venues such as ACM SIGCOMM 2017) and quantity. Currently, the 12 CleanSky fellows have published 33 research papers, 23 of which were published in the first eight months of 2017, an increase of 130% over the output for the entire year 2016.

In the remaining 12 months of project duration we expect a similar additional output.

For details on the research progress please refer to the attached deliverables D1.3 and D2.2 (an update on D2.2 will follow by the end of project month 42).