

# Riinu Ots

Curriculum Vitae

March 2019

## PERSONAL DETAILS

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*Email* R.Ots@ed.ac.uk  
*Website* <https://riinu.me/>  
*Presentations* <https://speakerdeck.com/riinuots/>  
*GitHub* <https://github.com/riinuots/>  
*Asteroid* 25616 Riinuots

## EDUCATION

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**PhD Environmental Chemistry** 2012 - 2016  
*University of Edinburgh*  
Thesis: "High resolution modelling of particulate matter air quality over the UK"

**BSc Physics** 2009 - 2012  
*University of Tartu*

## WORK AND TEACHING EXPERIENCE

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**Senior Data Manager** 2019 - current  
*Centre for Medical Informatics, Usher Institute, University of Edinburgh*

**Data Manager** 2016 - 2019  
*Clinical Surgery, Deanery of Health Sciences, University of Edinburgh*

**Demonstrator and tutor** 2013 - 2016  
*School of Geosciences, University of Edinburgh*

**Specialist in numerical modelling (Part-time: 0.1)** 2012 - 2015  
*Laboratory of Atmospheric Physics, University of Tartu*

**Lab assistant in numerical modelling (Part-time: 0.4)** 2010 - 2011  
*Laboratory of Atmospheric Physics, University of Tartu*

**Intern in air quality modelling** Aug-Oct 2011  
*NERC Centre for Ecology & Hydrology, Edinburgh*

**Field Biologist** Jun-Aug 2010  
*Estonian Fund for Nature, Estonia*

## GRANTS AND AWARDS

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<b>Wellcome: Open Research Fund</b>	2019
<i>HealthyR Notebooks: Democratising open and reproducible data analysis in resource-poor environments</i>	
£40,000	
<b>Principal's Teaching Award Scheme</b>	2017
<i>University of Edinburgh: For further development of <a href="http://www.shinystats.org">www.shinystats.org</a></i>	
£5,000	
<b>Estonian Students Fund in USA</b>	2014
<i>PhD travel bursary</i>	
\$3,000	
<b>Estonian Students Fund in USA</b>	2013
<i>PhD travel bursary</i>	
\$2,000	
<b>PhD stipend</b>	2012-2016
<i>NERC-CEH fully funded studentship</i>	
£60,000	
<b>III award - Young researchers</b>	2012
<i>32nd NATO/SPS International Technical Meeting on Air Pollution Modelling and its Application, Work: "Scale-dependent and seasonal performance of SILAM model in Estonia"</i>	
\$350	
<b>II award in Environmental Sciences</b>	2009
<i>Intel International Science and Engineering Fair, Work: "Implementation of Thermal Plume Rise in SILAM Atmospheric Dispersion Model":</i>	
\$1,500	
The award included the naming of an asteroid after me: 25616 Riinuots.	

## REVIEWING

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<b>Grant proposals: Cancer Innovation Challenge</b>	2017- 2018
<i>Organiser: The Data Lab</i>	
<b>Peer-review</b>	2016
<i>Journal: Palgrave Communications</i>	
<b>Peer-review</b>	2016
<i>Journal: Environmental Pollution</i>	
<b>Students' Research Projects Competition</b>	2012 - 2014
<i>Organiser: Estonian Research Council</i>	

## **PRESENTATIONS AT INTERNATIONAL CONFERENCES**

### **Plenary presentation**

2017  
New York, US

*“Reporting Apps”*

REDCapCon - Research Electronic Data Capture conference

### **Poster presentation**

2017  
Helsinki,  
Finland

*“ShinyStats: A new, interactive and engaging way to tutor trainee surgeons in statistics”*

Association for Medical Education in Europe (AMEE) conference

### **Demonstration**

2017  
Manchester,  
UK

*“HealthyR: R for healthcare data analysis”*

Informatics for Health

### **Oral presentation**

2015  
Montpellier,  
France

*“Model-measurement comparisons of speciated primary and secondary organic aerosol in London”*

34th International Technical Meeting on Air Pollution Modelling and its Application

### **Poster presentation**

2013  
Miami, US

*“Modelling Past and Future Changes in Secondary Inorganic Aerosol Concentrations in the UK.”*

33rd NATO/SPS International Technical Meeting on Air Pollution Modelling and its Application

### **Poster presentation**

2012  
Utrecht,  
Netherlands

*“Scale-Dependent and Seasonal Performance of SILAM Model in Estonia”*

32nd NATO/SPS International Technical Meeting on Air Pollution Modelling and its Application

### **Oral presentation**

2011  
Kos, Greece

*“Atmospheric transport model applied to understand the effect of biogenic emissions to secondary atmospheric aerosol in hemiboreal zone.”*

11th conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Kos, Greece

### **Poster presentation**

2010  
Turin, Italy

*“A Wintertime Local-to-Regional Scale Test Case Study of SILAM Model”*

31st NATO/SPS International Technical Meeting on Air Pollution Modelling and its Application