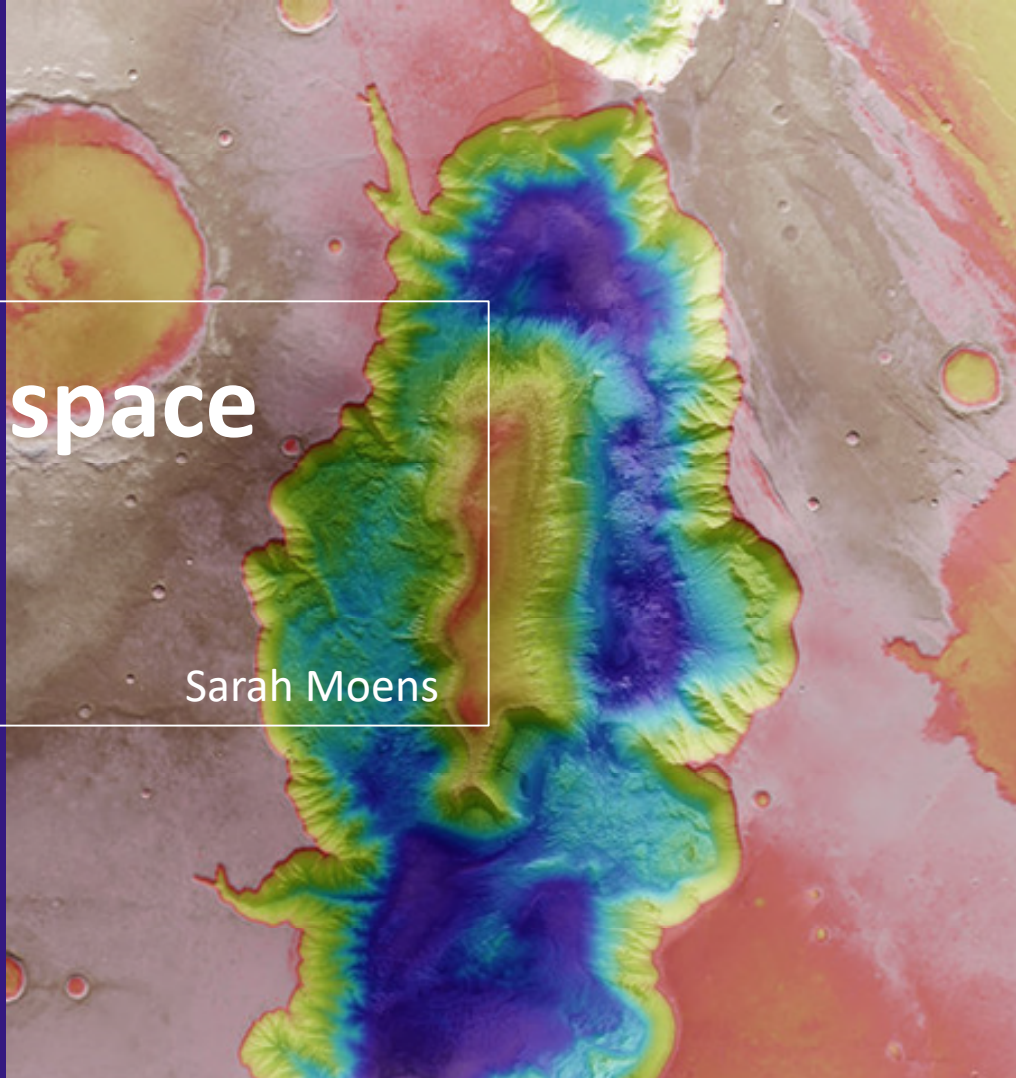


We are living in a space society

#switchtospace

Sarah Moens



Overview

How to become a space lawyer?

An Introduction to space law...

Outer space and lawyers

Our speakers

Biography

- Lawyer at DLA Piper (Belgium)
- Board member European Centre for Space Law (ECSL)
- Guest lecturer (Leiden University, Ghent University, Université Paris-Sud XI, summer courses)
- Co-founder of beSPACE
- Regularly quoted in the Belgian business press on space law (De Tijd, BBC radio, Datanews, European Space Agency website)
- Speaker at national and international conferences / webinars
- Member of the International Institute of Space Law
- Space law expert ESA space solutions Belgium (technology transfer), supported by imec
- Member of WIA (Women in Aerospace)
- Member of the Belgian Delegation Unispace +50 conference (Vienna)
- Jury member Starburst accelerator
- ESA and ECSL summer school on space law and policy (2010)
- Paris-Sud XI 'Master en droit des activités spatiales et des télécommunications'
- Internship at ESA HQ (Paris)



Sarah Moens

A photograph of the Aurora Borealis (Northern Lights) in a dark, starry sky. The aurora appears as vibrant green and purple ribbons of light. In the bottom right corner, the dark, jagged silhouette of a rocky mountain peak is visible against the glowing light.

Per Aspera Ad Astra

While you're still a student...

- Look for internships in the space sector
- Study space law:
 - KULeuven
 - Université Paris-Sud XI
 - Leiden University
 - McGill University
- Do a summer school / course

After your studies...

- Even if you're not working in the space sector...
- Stay involved in space!
- Become a member of organisations such as:
 - Yospace
 - European Centre for Space Law (ECSL)
 - Space Generation Advisory Council (SGAC)
 - Space Law Project Group
 - beSPACE (<http://be-space.eu/>)



An introduction to space law

A long-exposure photograph of a starry night sky, showing numerous curved star trails in white and blue, swirling around a central point. The trails are denser in the upper right and become sparser towards the bottom. A dark silhouette of a horizon with a few trees is visible at the very bottom.

STAR LAWS

What is space law?

- The body of law governing space-related activities
- International treaties
- Eu legislation
- National legislation
- A variety of matters: liability for damages caused by space objects, the use of space-related technologies, international cooperation
- United Nations Office for Outer Space Affairs

United Nations Treaties on outer space

- The "Outer Space Treaty"
 - [Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies](#)
 - Adopted by the General Assembly in its [resolution 2222 \(XXI\)](#), opened for signature on 27 January 1967, entered into force on 10 October 1967
- The "Rescue Agreement"
 - [Agreement on the Rescue of Astronauts, the Return of Astronauts and the Return of Objects Launched into Outer Space](#)
 - Adopted by the General Assembly in its [resolution 2345 \(XXII\)](#), opened for signature on 22 April 1968, entered into force on 3 December 1968
- The "Liability Convention"
 - [Convention on International Liability for Damage Caused by Space Objects](#)
 - Adopted by the General Assembly in its [resolution 2777 \(XXVI\)](#), opened for signature on 29 March 1972, entered into force on 1 September 1972

United Nations Treaties on outer space

- The "Registration Convention"
 - [Convention on Registration of Objects Launched into Outer Space](#)
 - Adopted by the General Assembly in its [resolution 3235 \(XXIX\)](#), opened for signature on 14 January 1975, entered into force on 15 September 1976
- The "Moon Agreement"
 - [Agreement Governing the Activities of States on the Moon and Other Celestial Bodies](#)
 - Adopted by the General Assembly in its [resolution 34/68](#), opened for signature on 18 December 1979, entered into force on 11 July 1984.

United Nations Treaties on outer space

- Background:
 - The 60's
 - Cold war between Soviet Union and USA
 - 1957: launch of Sputnik (first satellite)
 - Race to the moon
- Fundamental principles:
 - space as the province of all humankind
 - the freedom of exploration and use of outer space by all states
 - the principle of non-appropriation of outer space.



Outer space and lawyers

The use of EO data by lawyers:

Examples

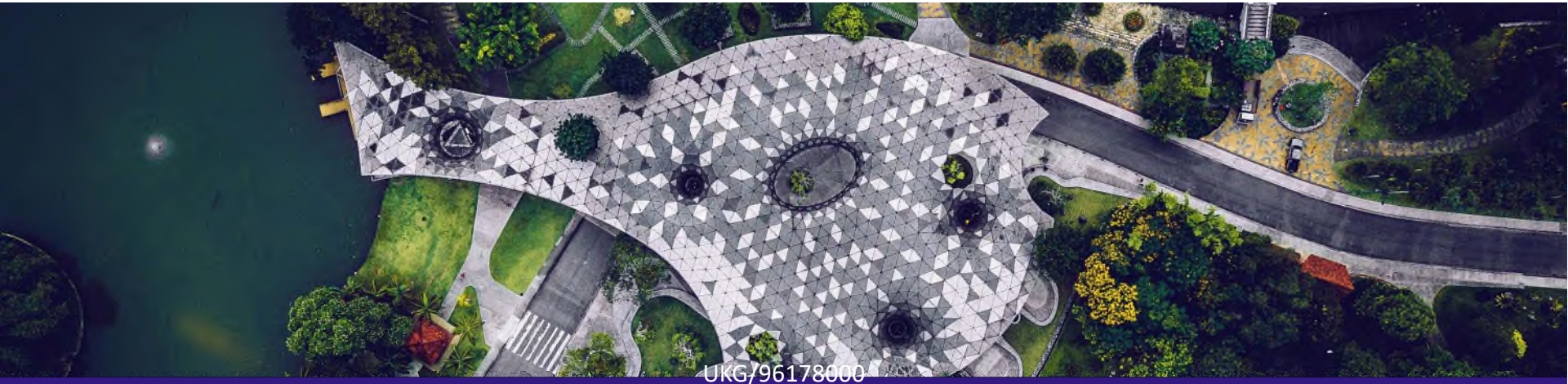
- Insurance Fraud Investigations
- Criminal Investigations
- Regulatory Investigations
- Environmental Investigations
- Border Disputes
- Human Rights Investigations
- Agricultural and Subsidy Fraud Investigations
- Disaster Monitoring

The use of EO data by lawyers:

Examples

- Or ... detecting an illegal swimming pool in your neighbour's garden

Source: ©<http://www.zerohedge.com/article/greek-tax-avoidance-101-cover-your-swimming-pool-tarp-fool-satellite>

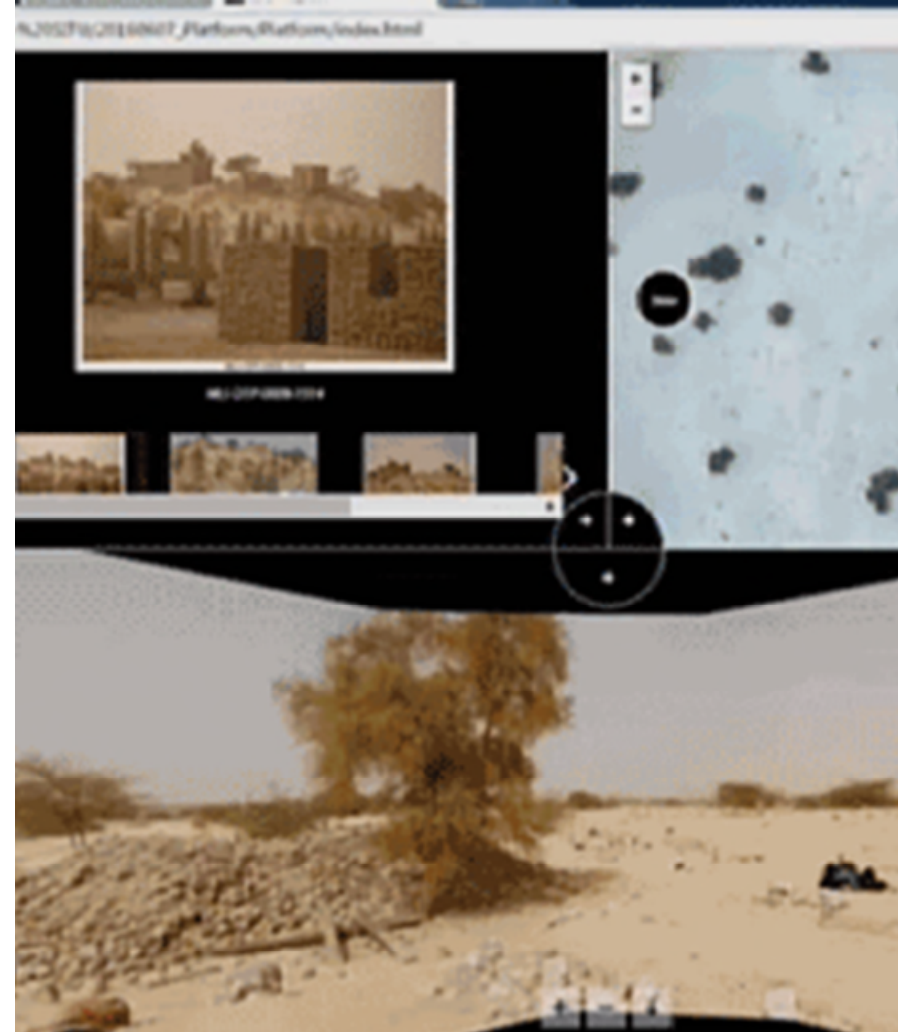


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- ©ESA 2002 - Processed by ESA/ESRIN

The International Criminal Court

- *The Prosecutor v. Ahmad Al Faqi Al Mahdi (Case no ICC-01/12-01/15)*
 - Al Mahdi is an extremist with connections to Al Qaeda
 - An interactive digital platform was created: satellite images were used to demonstrate that Al Mahdi destroyed cultural heritage (the destruction of nine mausoleums and a mosque door in Timbuktu)
 - Al Mahdi was found guilty



The International Court of Justice (ICJ)

- **Qatar v. Bahrain (2001)**

- Maritime delimitation and territorial questions between Qatar and Bahrain
- The Hawar Islands were therefore the sovereignty disputed
- The decision was taken in



Other examples

- Hurricane Katrina in New Orleans: insurance fraud: the damage to the house occurred after the Hurricane



Our speakers

Ward Munters

Space Traffic Management - Paving the Way
or Establishing Dominance?

Andrew Williams

Overcrowding the Orbit: Which Impact for
Astronomical Observation?

Nicolas Gérôme

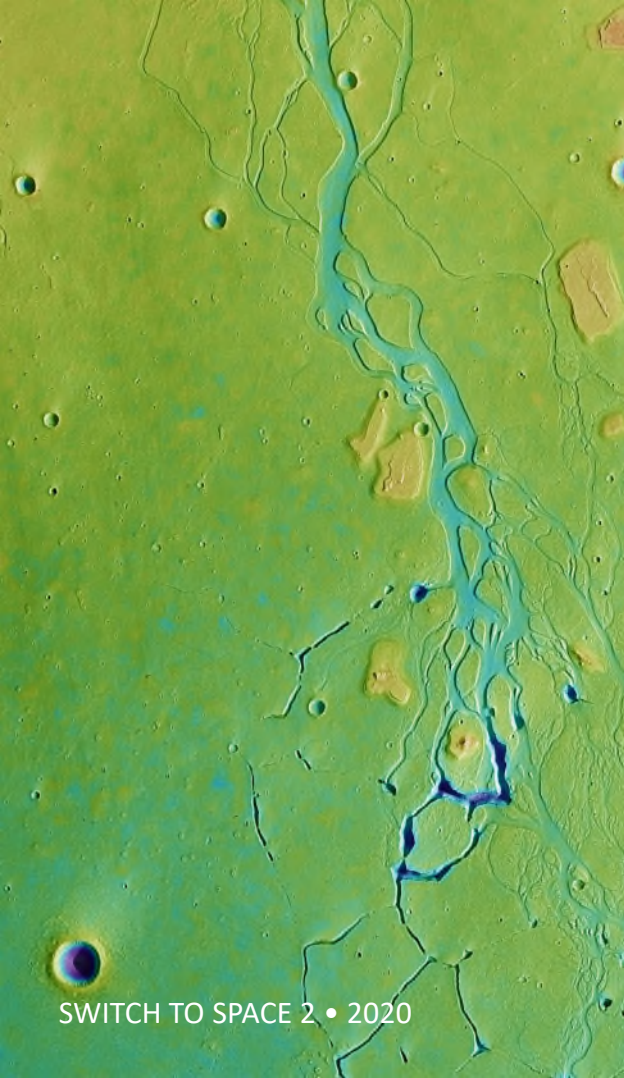
The next war will reach Space. Why defending
the peaceful use of outer space has never been
so relevant for NATO, for Europe and for Belgium

Michael Vandroogenbroek

WRC 2019: New Radiofrequencies Management
for Short Duration Missions



*Our
speakers...*



Thank you!