



# The SDGs and three academic research institutions

Prof. Dr. Janet G. Hering

- How visible are the SDGs at ETH Zurich, EPFL and Eawag?
- Could the SDGs be more visible? How?
- Should the SDGs be more visible? Why?

*Conference: Sustainable Development Goals: The  
Contribution of Science  
Swiss Academies of Arts and Sciences  
22 January 2018, Bern*



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## [\[PDF\] Measuring Illicit Arms Flows: SDG Target 16.4 - Small Arms Survey](#)

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weapons that are recorded and traced, in accordance with international standards and legal instruments (UN Statistical Commission, 2016, para. (d); IAEG- SDGs, 2016a, p. 58). While Indicator 16.4.2, like all the indicators agreed by the commission, is 'subject to future. Measuring Illicit Arms Flows: SDG Target 16.4.

## [\[PDF\] What are Sustainable Development Goals? - Stakeholder Forum](#)

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SDGs reflect the lessons learnt from MDGs, and the SDG process could be integrated into a single unified process for all countries within the post- 2015 development agenda. SDGs holistically address economic, social and environmental dimensions of sustainable development as part of a broader framework dealing with.

## [\[PDF\] Organised Crime in the "2030 Agenda for Sustainable Development"](#)

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governance (SDG 16). The implementation of the targets anchored in SDG 16 are of central significance for the overall success of the agenda. That applies especially to the containment of organised crime (OC). The aspired reduction of illicit financial and arms flows, strengthening of stolen asset recovery and combating ...

## [\[PDF\] Toward SDG 2: Food Security and Urbanization in the Global South](#)

[https://www.files.ethz.ch/isn/193762/graduate\\_fellows\\_pb\\_no.8\\_1.pdf](https://www.files.ethz.ch/isn/193762/graduate_fellows_pb_no.8_1.pdf)

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SDG 2 provides an avenue for governments to create and develop food security-related policies and regulations. This brief recommends governments support the role of the informal food economy, integrate non-food issues related to food security (such as spatial planning and infrastructure), collaborate with supermarkets ...

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## [\[PDF\] The Sustainable Development Goals: a plan for ... - Moodle - EPFL](#)

[https://moodle.epfl.ch/pluginfile.php/1817670/mod\\_folder/.../SDGplan.pdf?...1](https://moodle.epfl.ch/pluginfile.php/1817670/mod_folder/.../SDGplan.pdf?...1)

Mar 13, 2015 - 8. To strengthen proposed SDG-13, 'Take urgent action to combat climate change and its impacts', there should be one or more targets discouraging and aiming to terminate the ecologically most damaging modes of production and consumption. The starting role given to the word 'sustainable' gives the ...

## [Managing the 'Monitoring Imperative' in the Context of SDG Target 6.3 ...](#)

<https://infoscience.epfl.ch> > Infoscience

by JG Hering - 2017

Nov 8, 2017 - Published in: Sustainability (ISSN: 2071-1050), vol. 9, num. 9, p. 1572; Basel: Mdpi Ag, 2017. Monitoring the Sustainable Development Goal (SDG) 6 for water and sanitation builds on monitoring frameworks that were developed for the Millennium Development Goals (MDGs), specifically the WHO/ UNICEF ...

## [\[PDF\] PDF Full Paper - EPFL](#)

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ensuring the sustainability of HE spaces in fragile contexts and for fostering creativity and innovation, thereby feeding into the larger framework of Education for All and Sustainable Development Goal 4. Keywords: ..... Learnercentered pedagogies and humancentered design in support of SDG 4 and EFA. In 2015, the ...

## [\[PDF\] Potentialities of the urban volume: mapping ... - Infoscience - EPFL](#)

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Aug 22, 2016 - Underground Space Technology 55 (May 2016): 1-4; Nikolai Bobylev, "Mainstreaming Sustainable. Development ..... Bill Hillier, "Spatial Sustainability in Cities: Organic Patterns and Sustainable Forms," in Proceedings of the ..... Kirk, P A, R J Sewell, Campbell, S D G, Fletcher, C J N, K W Lai, and X C. Li.



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## The Sustainable Development Goals – what can Swiss partners ...

[www.eawag.ch/fileadmin/Domain1/Agenda/.../Swiss\\_Water\\_Partner\\_A4\\_17112016.p...](http://www.eawag.ch/fileadmin/Domain1/Agenda/.../Swiss_Water_Partner_A4_17112016.p...) and debate key issues around the implementation and monitoring of the Water Goal #6. The Sustainable Development Goals – what can Swiss partners contribute? Eawag. Welcome by Eawag Director Janet Hering. Swiss Agency for Development and Cooperation (SDC). Switzerland's contribution to the SDG process ...

## <sup>[PDF]</sup> Einladung zum Seminar - Eawag

[www.eawag.ch/fileadmin/Domain1/Agenda/2017/seminare/1117\\_damm.pdf](http://www.eawag.ch/fileadmin/Domain1/Agenda/2017/seminare/1117_damm.pdf) increase the societal challenge of water scarcity. Among the different Sustainable Development Goals (SDG) defined by the United Nations, SDG 6 focuses on water and calls for actions to ensure access to water and sanitation for all. Suggested actions include achieving access to water and sanitation, improve water quality ...

## Detail - Eawag

[www.eawag.ch/en/news-agenda/agenda/detail/?tx\\_sfpevents...103&tx...](http://www.eawag.ch/en/news-agenda/agenda/detail/?tx_sfpevents...103&tx...) Water for food in Asia (Lead: Ernst Basler and Partner); Post 2015 JMP Monitoring Framework and results from the Swiss consultation on a future SDG on water (Lead: Eawag). 15.45-16.00: Each group briefly presents the outcomes to the others. 16.00-16.30: Community building activity: Please bring a small bottle of water ...

## <sup>[PDF]</sup> Safer Water for Remote Nepal – Novel Pathways Towards SDG 6.1

[www.eawag.ch/fileadmin/Domain1/Abteilungen/.../safer\\_water\\_remote\\_nepal.pdf](http://www.eawag.ch/fileadmin/Domain1/Abteilungen/.../safer_water_remote_nepal.pdf) Water Supply and Treatment. Safer Water for Remote Nepal – Novel. Pathways Towards SDG 6.1. Can novel adaptations of water quality monitoring and risk management help remote communities comply with the new water safety standards? Insight into how simple experiments can identify and reduce public health risks ...

The SDGs have some visibility at ETHZ, EPFL and Eawag but more in the context of specific research (i.e., niche) activities than as a integrative framework.

# Could the SDGs be more visible at EPFL and ETH Zurich?

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The Swiss Team wins the Solar Decathlon competition

The NeighborHub has totally convinced the jury.

25.10.17 - The Swiss team and their solar house, the NeighborHub, has won the prestigious Solar Decathlon 2017 competition in the United States. The Swiss Living Challenge and its multidisciplinary team - 4 schools, 250 students (44 in Denver), 150 supervisors from the professional and academic sectors, and close to 50 sponsors - received the highest award. This unique experience is not only an important victory, but also an unforgettable and educational human adventure.



ETH zürich

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Portrait  
Main focus areas  
Education  
Organisation  
Working, teaching and research  
Global  
Sustainability

## Climate-KIC Summer Schools

The image shows a screenshot of the ETH Zurich website. The top navigation bar includes 'News & events', 'ETH Zurich', 'Studies', 'Doctorate', 'Research', 'Industry & society', and 'Campus'. Below this, there is a sidebar with a list of categories: 'Portrait', 'Main focus areas', 'Education', 'Organisation', 'Working, teaching and research', 'Global', and 'Sustainability'. The main content area features a heading 'Climate-KIC Summer Schools' and a photograph of a group of people sitting around a table in a circular room, possibly a summer school session.

Yes, if connections to SDGs were made explicit.

# Could the SDGs be more visible at Eawag?



**MOOC I:**  
Introduction to Household Water Treatment and Safe Storage  
Dr. Richard Johnston & Dr. Sara Marks



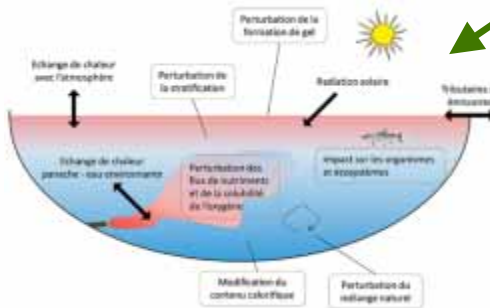
**MOOC II:**  
Planning & Design of Sanitation Systems and Technologies  
Dr. Christoph Lüthi



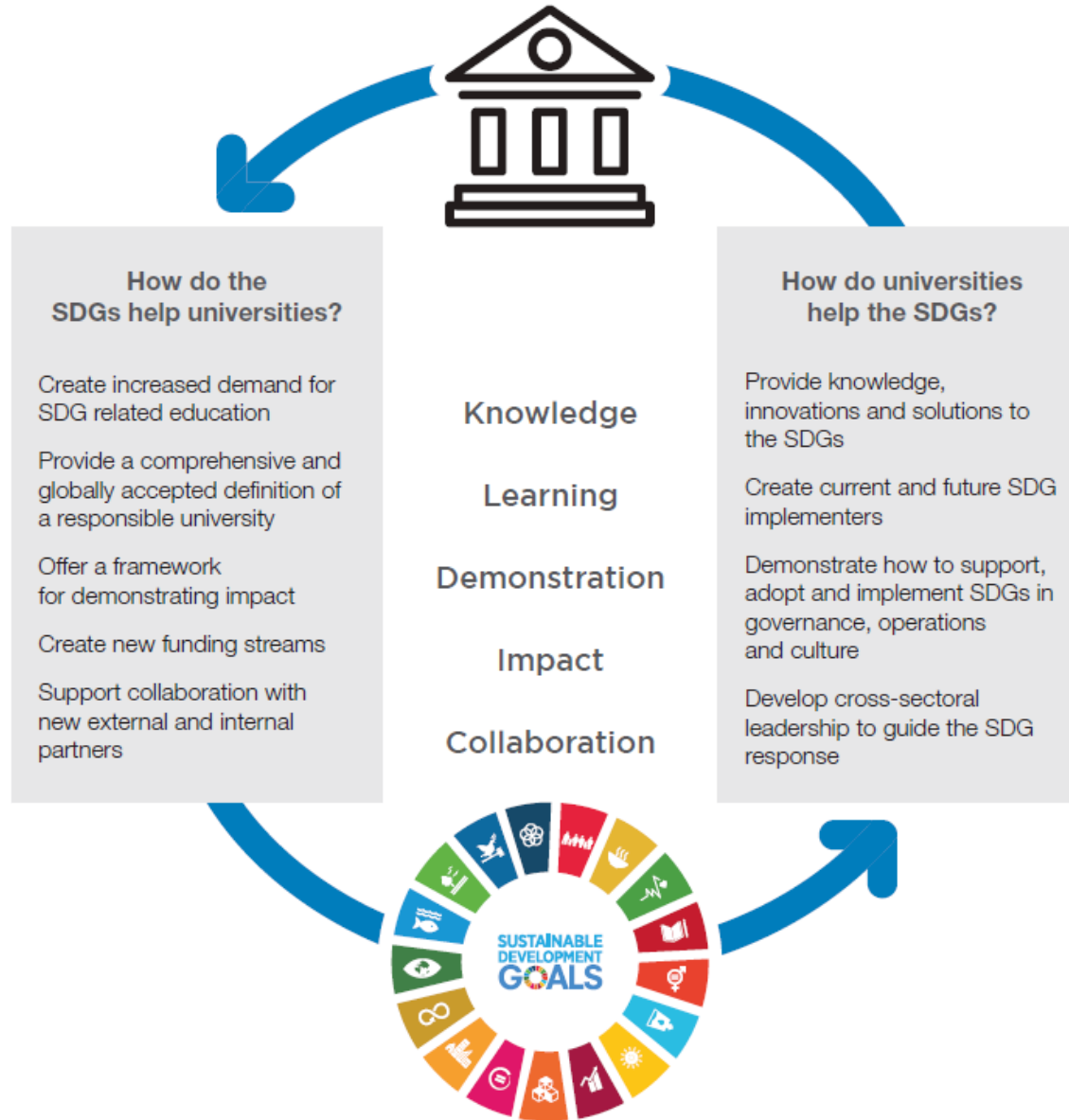
**MOOC III:**  
Municipal Solid Waste Management in Developing Countries  
Dr. Christian Zurbrugg



**MOOC IV:**  
Fecal Sludge Management  
Dr. Linda Strand

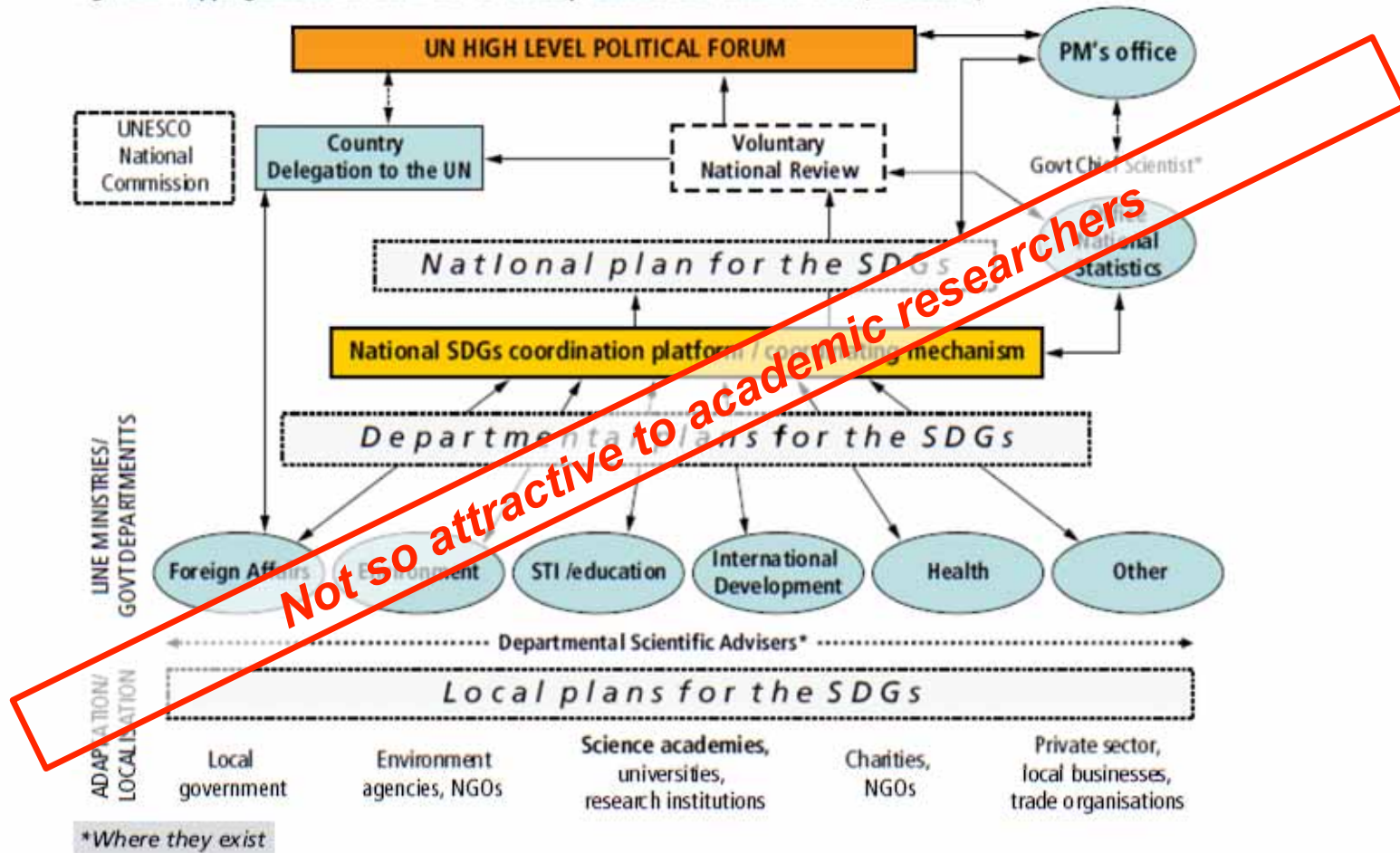


# Should the SDGs be more visible?



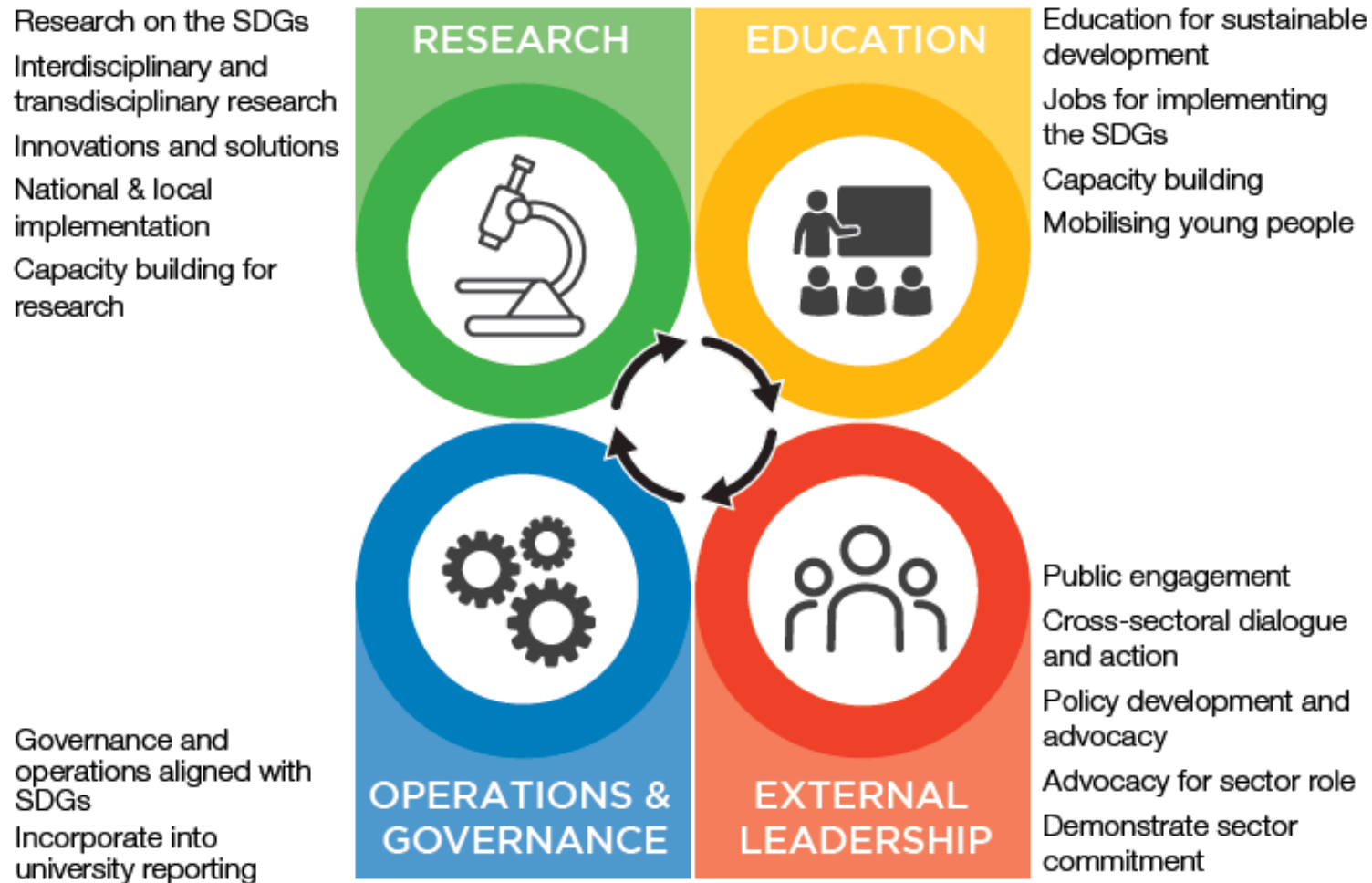
# UN bureaucratic culture

Figure 2: Mapping science advice in the UN SDGs process: at the national level (illustrative)



Arrows reflect institutional links and inputs into different parts of the system, but are not scalar or proportionate.

# Potential university contributions





## A Call for Synthesis of Water Research to Achieve the Sustainable Development Goals by 2030

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<sup>||</sup>University of Iowa, Iowa City, Iowa, United States

We call on water professionals and scientists to bring their expertise and skills—whether through synthesis, research to fill pressing gaps or technology development—to fulfill the “*great potential to complement sustainable development projects...with robust knowledge, tools and scientific methods*”.<sup>3</sup>

# Why we need to talk about (and do) this



NATURE | EDITORIAL

## Researchers should reach beyond the science bubble

Scientists in the United States and elsewhere ought to address the needs and employment prospects of taxpayers who have seen little benefit from scientific advances.

21 February 2017

PDF

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*“The needs of millions of people in the United States are not well enough served by the agendas and interests that drive much of modern science.”*



**The SDGs offer an integrative and motivational framework for research and education!**