

School of Analytical Sciences Adlershof Lecture

Analytical Sciences and the “Grand Challenges”: a Stakeholder Perspective

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We aim to perform a metareflection on Analytical Sciences including an evaluation of the relevance and usefulness of the discipline and addressing the perspectives of the stakeholders of Analytical Sciences. In the case of dealing with the „Grand Challenges“ these stakeholders are primarily scientists of other disciplines, then industry, administrators and decision makers, and finally above all, civil society as such.

Based on our understanding of what Analytical Sciences (Chemistry) actually is and what it can deliver in principle I will present the expectations of the stakeholders in relation to the type and quality of information delivered by the analytical scientists.

I will then discuss in an exemplary manner the potential role of Analytical Sciences, the typical questions asked and analytical approaches applied when addressing specific issues arising from these „Grand Challenges“, particularly referring to the sustainable use of natural resources, maintaining the quality of the environment, mitigating global warming, developing and implementing a new energy regime, securing food availability, safety and quality and improving health care for an aging population.

Date: 03:00 p.m., Thursday 21st July 2016

Location: Room 0`119, Erwin-Schrödinger-Zentrum,
Rudower Chaussee 26
12489 Berlin-Adlershof