IPGSA: the new beginning!

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IPGSA MISSION AND VISION



Mission

Promote the development and application of the Theory of Sampling





Vision

To be the internationally recognised scientific organisation for sampling guidance across all sectors





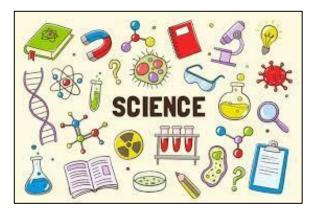
...ACROSS ALL SECTORS!

IPGSA

Advise on sampling of heterogeneous materials, lots, and processes











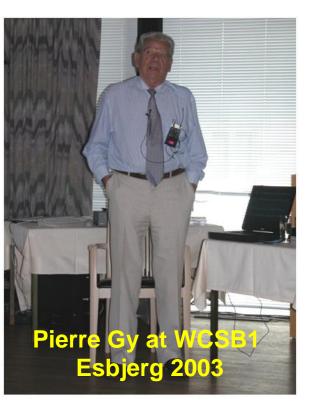








IPGSA - THE JOURNEY TO ITS ESTABLISHMENT



- **1950's**: Gy ground-breaking work
- Around 2000: recognition of TOS wider relevance
- 2003: TOS acronym coined
- 2003: WCSB1 in DK to exchange scientific views around representative sampling practices
- 2003-2017: WCSB series fostered TOS dialog/interest
- 2017: official establishment of IPGSA



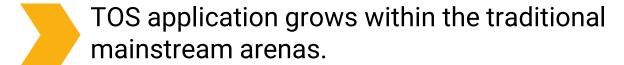


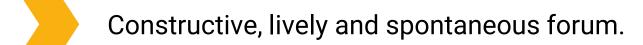


2003-2017: TOS COMMUNITY EXPANDS & CONSOLIDATES



TOS application extends to other sectors.







WCSB7 Bordeaux, 2015 **TOS in Pharmaceutical**



WCSB2 Brisbane, 2005
TOS in Food/Feed



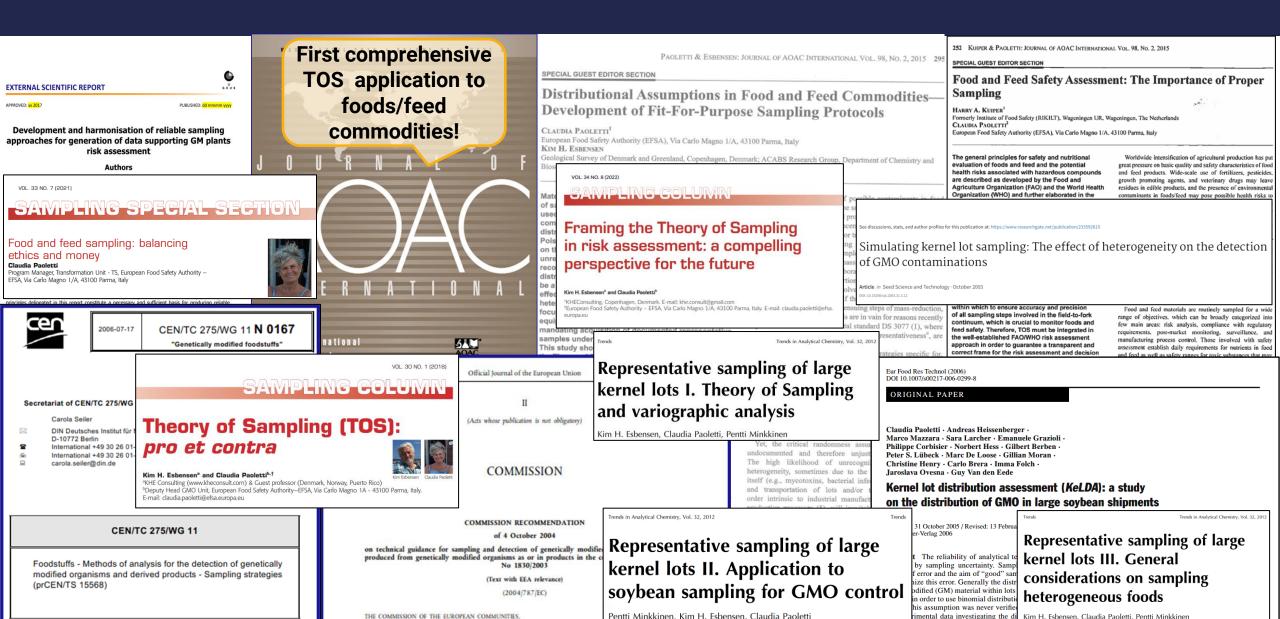
WCSB6 Lima, 2013 **TOS in Environmental**



Framing TOS in Risk Assessment!



TOS IN THE FOOD AND FEED SECTOR: A DOCUMENTED SCIENTIFIC SUCCESS

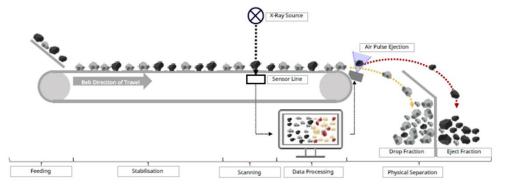


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TOS COMMUNITY CONTINUES TO EXPAND

- Process sampling, e.g. automated sample preparation: critical to minimise the risk that sample preparation contributes significantly to the Fundamental Sampling Error (FSE).
- Sampling for Sorting calibration & optimisation: where TOS can help separating particles with different characteristics (metals/minerals...chemical composition?) of economic interest.
- Sampling as biomarkers (NGO TOXICOWATCH Abel Arkenbout) to make biological inferences: chicken eggs, vegetation, sheep's wool, water, soil













IPGSA CHALLENGES

Diversity of Experts:

- > Integration across sectors enriches IPGSA
- > Brings new challenges and broadens perspectives

Generational Turnover:

- > Embracing new ideas from the next generation
- > Balancing wisdom with fresh insights

Balancing Theory and Practice:

- > Avoiding overly theoretical approaches that deter practitioners
- > Ensuring TOS remains accessible and applicable

Theoretical Disagreements:

- > Navigating diverse theoretical approaches
- > Maintaining collaboration despite differences







IPGSA NEW BEGINNING

Three macro-objectives:



Know-how development: guides TOS development



Advise and support: provides assistance on sampling matters

- Establish a **governance** to manage and guide initiatives.
- Establish a work programme defining the strategic areas of focus.



Capability building: facilitate training and quality programs





IPGSA GOVERNANCE

Council with members from different disciplines

- Prepared and adopted IPGSA constitution
- Heads IPGSA
- Manages all IPGSA activities



Dr. Oscar Dominguez IPGSA Vice-President



Dr. Ralph Holmes IPGSA President



Dr. Claudia Paoletti IPGSA Vice-President



International Advisory Committee:

sampling specialists appointed by the Council for providing advice to the Council.



IPGSA WORKPROGRAMME



Developed an association work-programme



Defined a strategy for its implementation



Established specific
Working Groups
(WG) to drive
IPGSA's objectives





IPGSA WORKING GROUPS

- WG1 Scientific Platform: Fosters the development and dissemination of TOS knowledge.
 - WG2 Communication Platform & LinkedIn: Enhances IPGSA's digital presence and facilitates professional networking.
- WG3 Technical Trainings: Offers educational programs to build sampling competencies across sectors.
 - WG4 Stakeholders' Management: Engages with key stakeholders to align efforts and expand TOS application.
 - **WG5 Budget**: Manages financial resources to support IPGSA's activities and sustainability.





WG1 - SCIENTIFIC PLATFORM



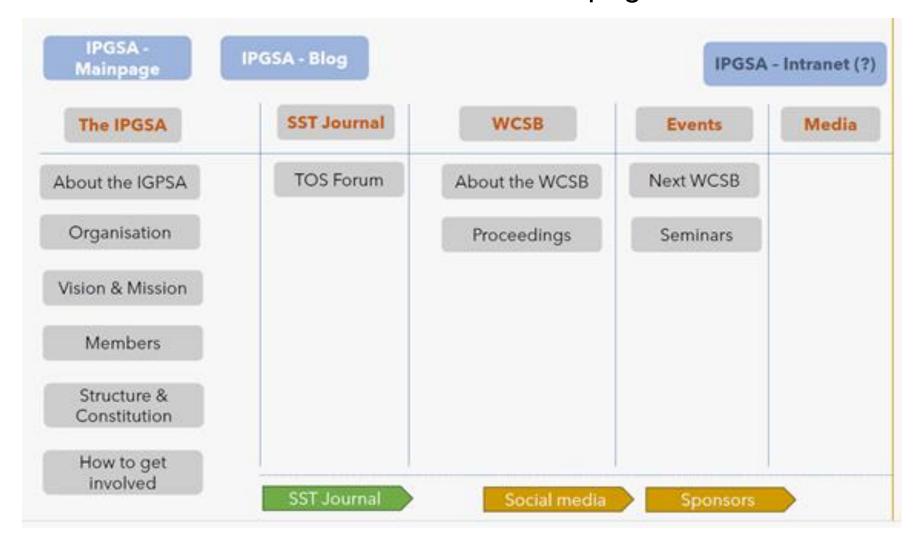


WG Leader: Kim Esbensen

- Sampling Science and Technology launched! (SST#2 October 2024)
- TOS Forum issues 1-11 available under the Sampling Science and Technology webpage
- 32 Sampling columns on internet as educational 'TOS Learning Hub'
- Open Access to WCSB12 Proceedings accessible from conference website and IPGSA webpage
- Ongoing project: ensure complete open access to all proceedings of WCSB series on IPGSA webpage

WG2 - COMMUNICATION PLATFORM

Main task: launch IPGSA new homepage!





WG Leader: Martin Lischka



WG3 – TECHNICAL TRAINING

Offer lectures, structured courses and training materials to private and public organisations, academia, research organisations and governmental bodies

Recent examples:

- Curtin University, Perth, Western Australia, Australia (August 2023)
- Universidad del Desarrollo, Santiago, Chile (April 2024)
- University of Parma, Master in Food&Feed Safety, Italy (June 2024)







WG Leader: Oscar Dominguez



WG4 - STAKEHOLDERS MANAGEMENT

Identifies potential IPGSA stakeholders, analyses their needs and expectations to plan collaborations

Recent examples:

- TIC Council Food and Safety Committee: possible collaboration to implement standardized representative/TOS-compliant sampling practices
- ISO: development of international TOS compliant sampling standards





WG Leader: Aldwin Vogel





WG5 - BUDGET









WG Leader: Philip Davin



The search for funding opportunities is pressing and continuous!





OTHER IPGSA ACTIVITIES





MULTOTEC

Metrohm
Process Analytics

SCANTECH
WWW.scantech.com.au

SPAREBANKEN SØR

WHECONSUlting

FIRE REsearch Council of Norway

NIKKELVERK
AGLENCORE COMMENT

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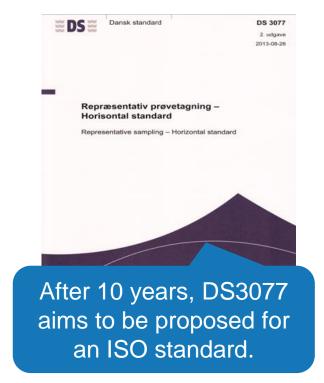
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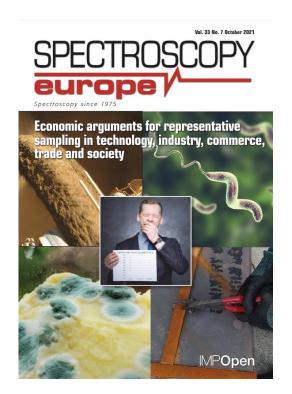
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- Awards and supervises WCSB series to promote TOS and facilitate international dialogue.
- Participates in developing standards
- Silos-breaking publications!







CONCLUDING REMARKS

Historically sampling remained the priority of small, highly technical scientific-lounges.

Need to win the inertia against "fit for purpose" data which is normally just assumed as representative. Many years are still needed before the merit of sampling is fully recognized.

The future of sampling depends on what we do today, and we are all accountable towards the future generations.

Advice and support

Know how development

Three macro-objectives

Capability building







IPGSA Council: Elke Thisted, Kim Esbensen, Philippe Davin, Karin Engström, Claudia Paoletti, Oscar Dominguez, Rodolfo Romanach, Aldwin Vogel, Martin Lischka, Stephane Brochot, Sheryl Tittlemier, Ralph Holmes.

Be the change you wish to see in the world

(Mahatma Gandhi)