



The upgrade of the dietary exposure assessment model "ImproRisk" – the role of EFSA and other stakeholders

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Introduction



- ❖SGL carries out risk assessment for estimating the chronic dietary exposure of the population to chemicals
- ❖SGL has developed its own risk assessment model called "ImproRisk" since 2014
- In 2022, ImproRisk has been upgraded into an online model that accommodates FoodEx2, in order to meet EFSA's requirements and risk assessors' needs at national / European level.







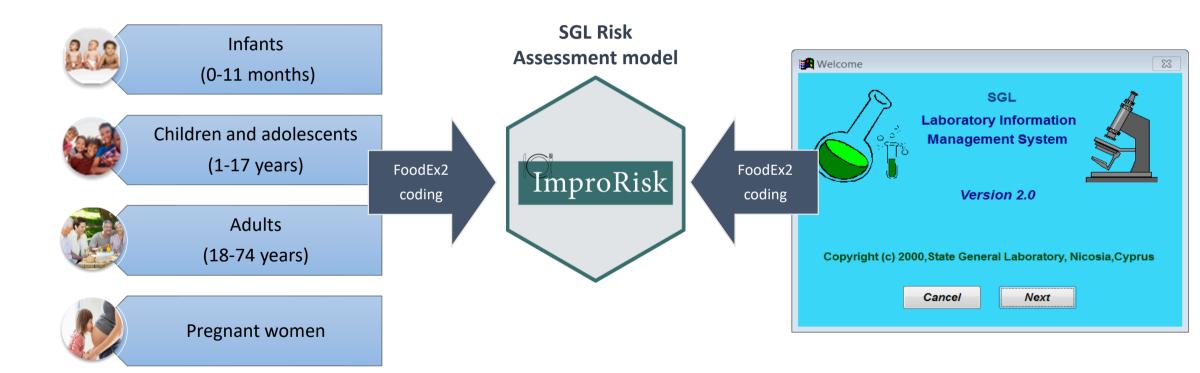


Chronic exposure assessment of the Cypriot population to chemicals



Food Consumption data (EU Menu)

Chemical Occurrence data

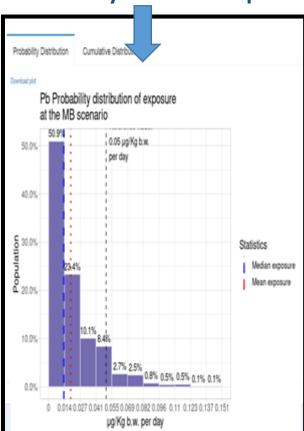




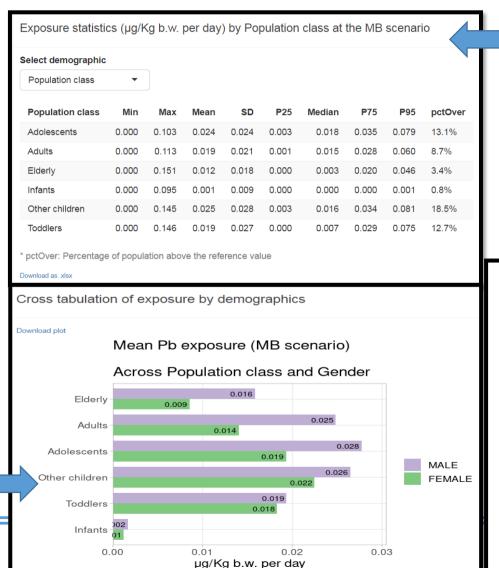
ImproRisk at a glance: Outputs



Probability distribution plots

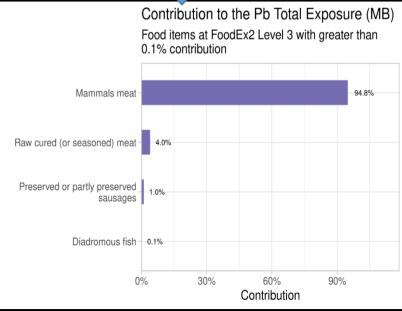


Cross tabulation of exposure by demographics



Exposure statistics by demographic

% Contribution at any level of the FoodEx2 exposure hierarchy





Methods and tools to engage with stakeholders



Tools	National Experts	EU Risk Assessors/ EFSA Focal Points	EFSA
Exchange of emails	✓	✓	✓
Info sessions	✓	×	×
Oral presentations at EFSA meetings/ Conferences	×	√ Nation Exper	
Trainings/Workshops	\checkmark	^	✓
*Allocation of sufficient national budget subcontracting (2014-2022), to ensumproRisk will reach its desired format	EU Risk Assessors	Risk Focal Points	

Rendering ImproRisk an open access model.

EFSA



Results



- ❖ By making ImproRisk an open model a total number of 45 risk assessors from 17 Member States, 4 observer countries, United Kingdom, USA and South Korea expressed their interest and were provided with access to the model (excel version)
- ❖ Collaboration with EFSA through the signing of a Grant Agreement on the further development of ImproRisk (2016)
- ❖ Organization of Trainings/Workshops at EU level, e.g. TAIEX Workshop in Montenegro (2018), etc.
- ❖ Development of an open-access harmonized dietary risk assessment model as a web application, which accommodates FoodEx2.





SGL future plans regarding ImproRisk





- ☐ Final version of ImproRisk is now available online!
- ☐ Due to an increased demand by various parties to access the ImproRisk application, we are planning to migrate the server and database to a more robust server provider
 - ✓ Enhance the speed and capacity to store users' data (up to 300 users)
- ☐ Process to be completed by end of May



Follow-up Training Workshop



- □ Cyprus, is willing to share the model with other MS and observer countries in order to enhance capacity building in Risk Assessment
- □Follow-up Workshop on "hands-on" training on ImproRisk as an online model to risk assessors from MS and pre-accession countries
 - Mode: Physical (should conditions allow due to Covid-19)
 - Provisional date: September 2022
- ☐ EFSA's contribution to be specified...







Thank you very much for your attention!!

Questions??

Acknowledgments

Mr. Lefkios Paikousis, Director of Improvast (Cyprus) and SGL's external collaborator, for his significant contribution in the development of the ImproRisk model Training Workshop on the IMPRORISK Model, 17-18 May 2018, Larnaca, Cyprus

