



Management Board meeting  
24 March 2022

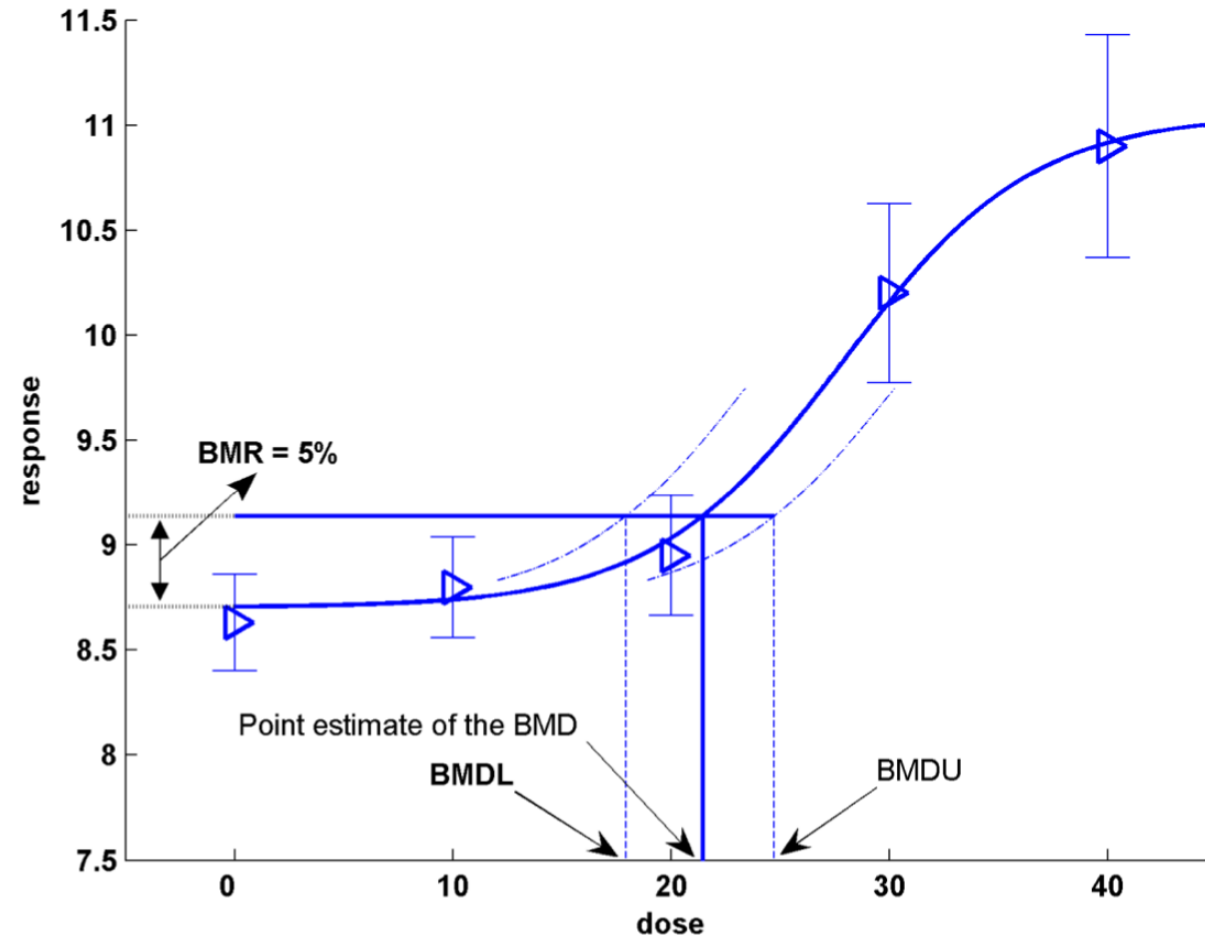
# Highlights from 107<sup>th</sup> SC Plenary (9-10 February 2022)

**Simon More**

Chair of the EFSA Scientific Committee

Trusted science for safe food

# Benchmark dose



Modified from:  
EFSA Scientific Committee, et al., 2017. Update: use of the benchmark dose approach in risk assessment. EFSA J 15, e04658.  
<https://doi.org/10.2903/j.efsa.2017.4658>



*The EFSA Journal* (2009) 1150, 1-72

## SCIENTIFIC OPINION

Use of the benchmark dose approach in risk assessment<sup>1</sup>

Guidance of the Scientific Committee

(Question No EFSA-Q-2005-232)

Adopted on 26 May 2009



## GUIDANCE



ADOPTED: 17 November 2016

doi: 10.2903/j.efsa.2017.4658

## Update: use of the benchmark dose approach in risk assessment

EFSA Scientific Committee,  
Anthony Hardy, Diane Benford, Thorhallur Halldorsson, Michael John Jeger,  
Katrine Helle Knutsen, Simon More, Alicja Mortensen, Hanspeter Naegeli, Hubert Noteborn,  
Colin Ockleford, Antonia Ricci, Guido Rychen, Vittorio Silano, Roland Solecki, Dominique Turck,  
Marc Aerts, Laurent Bodin, Allen Davis, Lutz Edler, Ursula Gundert-Remy, Salomon Sand,  
Wout Slob, Bernard Bottex, Jose Cortiñas Abrahantes, Daniele Court Marques,  
George Kass and Josef R. Schlatter

# Public Consultations



Public Consultation  
PC-0135

Title

Updated Scientific Committee Guidance on the use of benchmark dose approach in risk assessment

Status

Open

Full Name

Updated Scientific Committee Guidance on the use of benchmark dose approach in risk assessment

Link To Document 

Public Consultation Number

PC-0135

## Public Consultation Details

Food Domain

Risk Assessment Methodology

Start Date

21/02/2022

End Date 

11/04/2022

An updated consumer risk assessment for human health related to fluoride in food and drinking water taking into account:

- new information on the hazards of fluoride,
- available information on the occurrence of fluoride in food, and
- exposure assessment considering the levels of fluoride in food and drinking water and the contribution from other known sources of exposure.

## STATEMENT



ADOPTED: 17 February 2021

doi: 10.2903/j.efsa.2021.6479

### **Statement on the derivation of Health-Based Guidance Values (HBGVs) for regulated products that are also nutrients**

EFSA Scientific Committee,  
Simon More, Vasileios Bampidis, Diane Benford, Claude Bragard, Thorhallur Halldorsson, Susanne Hougaard Bennekou, Kostas Koutsoumanis, Kyriaki Machera, Hanspeter Naegeli, Søren Nielsen, Josef Schlatter, Dieter Schrenk, Vittorio Silano†, Dominique Turck, Maged Younes, Peter Aggett, Jacqueline Castenmiller, Alessandra Giarola, Agnès de Sesmaisons-Lecarré, José Tarazona, Hans Verhagen and Antonio Hernández-Jerez

## TECHNICAL REPORT



APPROVED: 06 April 2020

doi:10.2903/sp.efsa.2020.EN-1843

### **Draft framework for protocol development for EFSA's scientific assessments**

European Food Safety Authority (EFSA),  
Laura Martino, Elisa Aiassa, Þórhallur Ingi Halldórsson, Konstantinos Panagiotis Koutsoumanis, Hanspeter Naegeli, Katleen Baert, Francesca Baldinelli, Yann Devos, Federica Lodi, Alfonso Lostia, Paola Manini, Caroline Merten, Winy Messens, Valentina Rizzi, Jose Tarazona, Ariane Titz, Sybren Vos

- What is the toxicokinetic profile [absorption, distribution, metabolism and excretion (ADME)] of fluoride? In humans, in animals?
- Which endpoints reflect adversity in relation to fluoride exposure? Which effect is the most sensitive? In humans, in animals?
- Is the mode of action of fluoride known? Is there more than one MOA?
- Are there species differences in fluoride kinetics and dynamics? If so, are the animal data, reporting adverse effects biologically relevant to humans?
- Can a reference point be derived for hazard characterisation of fluoride?
- Can a HBGV for fluoride be derived taking into account the existing adequate intake?

WG	Status	Timeline
<b>Scientific opinions</b>		
SC WG SynBio	Under public consultation	July 2022
SC WG Fluoride	EC Mandate	September 2023
SC WG Copper	EC Mandate	December 2022



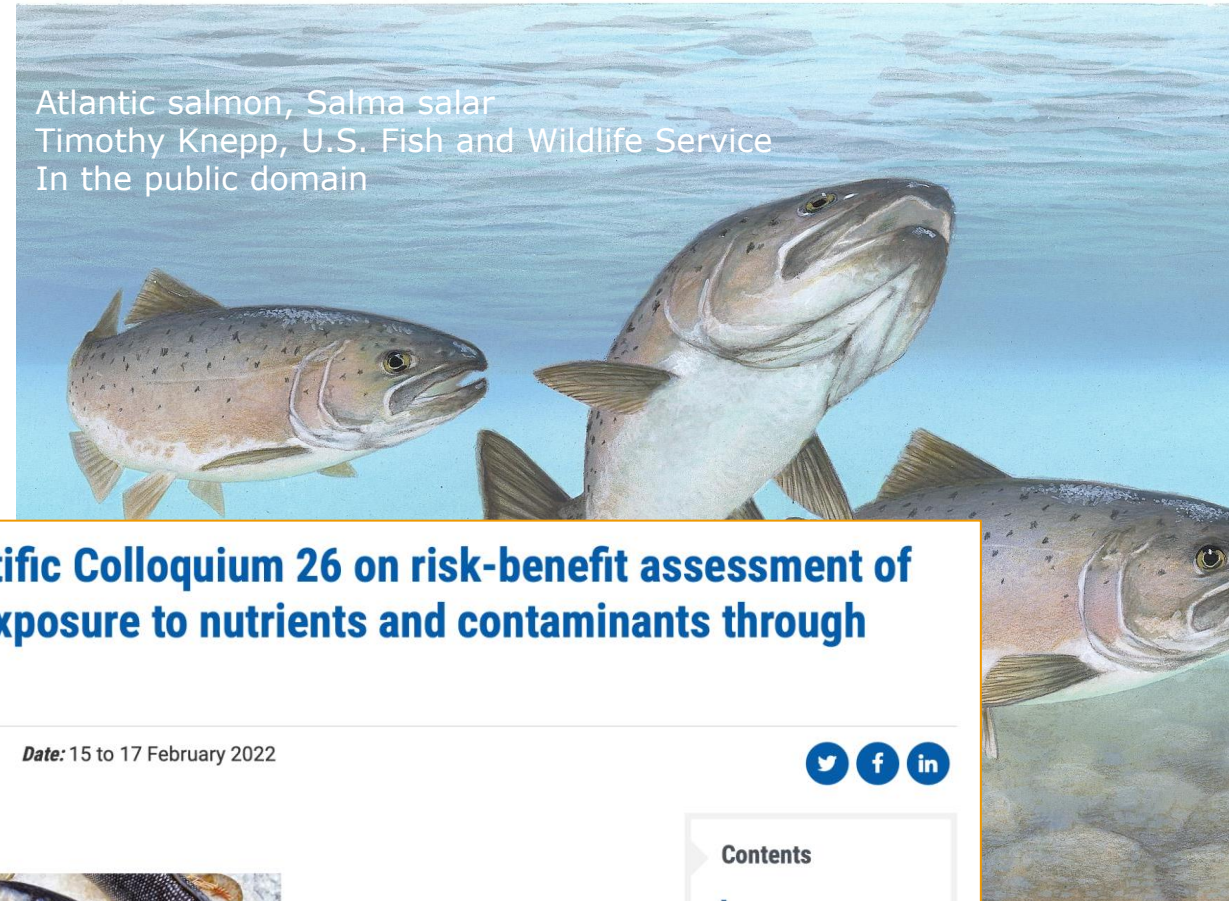
WG	Status	Timeline
<b>Scientific guidance documents</b>		
Cross-cutting WG on Benchmark Dose	Update of guidance	July 2022
SC WG Risk Benefit Assessment	Update of guidance Scientific Colloquium 15-17 February 2022	December 2023
SC WG Protocol Development	Preparation of guidance document	December 2023
SC WG Read Across	Development of a cross-cutting guidance	December 2024

# Risk benefit assessment of fish consumption in relation to the presence of dioxin (PCDD/Fs) and dioxin-like PCBs

## EFSA contacts:

Djien Liem, Maria Bastaki

Atlantic salmon, *Salma salar*  
Timothy Knepp, U.S. Fish and Wildlife Service  
In the public domain



### EFSA Scientific Colloquium 26 on risk-benefit assessment of combined exposure to nutrients and contaminants through food

**Location:** Online meeting **Date:** 15 to 17 February 2022



#### Contents

- Day 1 - 15 February
- Presentations
- Day 2 - 16 February
- Day 3 - 17 February
- Documents



WG	Status	Timeline
<b>Assistance to Panels</b>		
Cross-cutting WG Nano	Advice to Panels/Units Support to MS (Nano network).	Continuous procurement Stakeholders workshop in Q1 2022
Cross-cutting WG on Genotoxicity	Advice to Panels/Units	Continuous procurement
Cross-cutting WG on Uncertainty	Advice to Panels/Units	Continuous procurement
WG Botanicals	Finalisation of Compendium of botanicals	End 2023

WG	Status
<b>Network activities</b>	
Network on Risk Assessment of Nanotechnologies in Food and Feed (NANO)	Exchange information and achieve synergies Facilitate harmonization of methodologies Provide expertise in certain areas

WG	Status
WG Epidemiological studies	Revision of comments after testing phase Update panel-specific sections
WG MUST B - ApisRAM	Several actions needed as follow up activities
SC WG on Biomarkers of effect	Incorporate latest scientific and technical developments

Expert Knowledge Elicitation  
(2014)

Guidance on the margin of  
exposure approach (MoE) (2005)

Guidance on default values (2012)

Consultation with  
Panel Chairs

SC discussion and  
prioritisation