



## Towards the elimination of iodine deficiency and preventable thyroid-related diseases in Europe

**Euthyroid is an EU-funded research project with the goal of harmonising and sustainably improving the iodine intake in Europe.**

Iodine deficiency is the most important risk factor for thyroid disease in adults and children. While goitre as a result of iodine deficiency is widely known, it is less acknowledged that thyroid hormones regulate the development of important organs. Therefore, it is advised that pregnant and nursing women should ensure sufficient iodine intake for optimal development of the child. Even a slight iodine deficiency during pregnancy can lead to impaired brain development and thus affect intelligence. In fact, iodine deficiency is the world's leading cause of preventable brain damage and for years the World Health Organization has warned that Europeans are increasingly affected by the consequences of iodine deficiency.

**Euthyroid is the first pan-European initiative to take on the challenge of investigating the iodine intake of the European population. This should provide the basis to develop appropriate measures for harmonising and improving the iodine intake in Europe in cooperation with national authorities.**

Within Euthyroid 30 partners from 27 countries pool the expertise of renowned epidemiologists, endocrinologists, nutritionists and health economists. Additionally it includes the Iodine Global Network (IGN), which is engaged in overcoming iodine deficiency with 100 regional and national co-ordinators and partners agencies. Both networks overlap significantly, which should support appropriate measures, established within Euthyroid, which will be implemented by national health authorities.

22 Member States of the EU (exceptions being Cyprus, Lithuania, Luxembourg, Malta, Romania and Slovakia ) participate in Euthyroid, corresponding to 94% of the Union's population and in addition five countries from the IGN West Central Europe group are involved (Iceland, Israel, Macedonia, Norway, Switzerland).

### Euthyroid goals

The network performs research into the current situation regarding iodine intake and the health consequences of iodine deficiency in the countries involved. A particular focus will be placed on pregnant women and the potential impact of iodine deficiency on the intellectual development of the child. These aims will be accomplished through the following objectives.

- ▶ **Collection of standardised data on the iodine intake of the population**
- ▶ **Comparison of national measures and dietary habits**
- ▶ **Harmonisation and standardisation of data collection**
- ▶ **Analysis of the cost-benefit ratio of existing prevention programmes**
- ▶ **Development of appropriate measures towards an improved and unified iodine intake**
- ▶ **Analysis of three mother-child studies from regions with different iodine intake**

### Contact

Euthyroid office  
Matthew Spencer, PhD  
biolution GmbH  
office@euthyroid.eu

Further information can be found here:

[www.euthyroid.eu](http://www.euthyroid.eu)

### Key facts:

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### Coordinator:

University Medicine Greifswald, DE  
Henry Völzke

### Partners:

National Institute for Health and Welfare, FI  
Iris Erlund

Iodine Global Network, CA  
John Lazarus

University of Patras, GR  
Kostas B. Markou

Erasmus Medical Centre Rotterdam, NL  
Robin Peeters

University of Latvia, LV  
Valdis Pirags

University of Surrey, UK  
Margaret Rayman

The Private University of Health Sciences, Medical Informatics and Technology, AT  
Uwe Siebert

The Capital Region of Denmark, Research Centre for Prevention and Health, DK  
Betina Thuesen

Swiss Federal Institute of Technology Zurich, CH  
Michael Zimmermann

biolution GmbH, AT  
Iris Grünert

The Barcelona Institute for Global Health, ES  
Monica Guxens

University Hospital Center, Sestre Milosrdnice, HR  
Zvonko Kusić

Free University of Brussels, BE  
Rodrigo Moreno-Reyes

Sofia University, Faculty of Medicine, Lozenets Hospital, BG  
Ludmila Ivanova

University of Pisa, IT  
Paolo Vitti

The Hebrew University of Jerusalem, IL  
Aron Troen

National Institute of Nutrition and Seafood Research, NO  
Lisbeth Dahl

University of Debrecen, HU  
Endre V. Nagy

University Medical Centre Ljubljana, SI  
Simona Gaberšček

Jagiellonian University, PL  
Alicja Hubalevska-Dydejczyk

The Health Sciences Research Institute of the Germans Trias i Pujol Foundation, ES  
Manel Puig Domingo

Centre for Regional Policy Research and Cooperation, Studiorum Zdruzenje, MK  
Borislav Karanfilski

Queen's University Belfast, UK  
Jayne Woodside

Uppsala University, SE  
Mehari Gebre-Medhin

Landspítali University Hospital, IS  
Ingibjörg Gunnarsdóttir

Toulouse University Hospital, FR  
Philippe Caron

Endocrinology Centre, EE  
Toomas Podar

Institute of Endocrinology, CZ  
Václav Zamrazil

Ministry of National Defense, Armed Forces Military Hospital, PT  
João Jácome de Castro



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