

# Brokerage Event

Food Security | Sustainable Agriculture and Forestry |  
Marine, Maritime and Inland Water Research |  
Bioeconomy | KET-Biotechnology |

**Brussels, 15th November 2017**



BioHorizon



LAQV

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Sustainable Food Security

## Expertise for cooperation in SC2 activities

Miguel A. Faria

*LAQV-REQUIMTE*

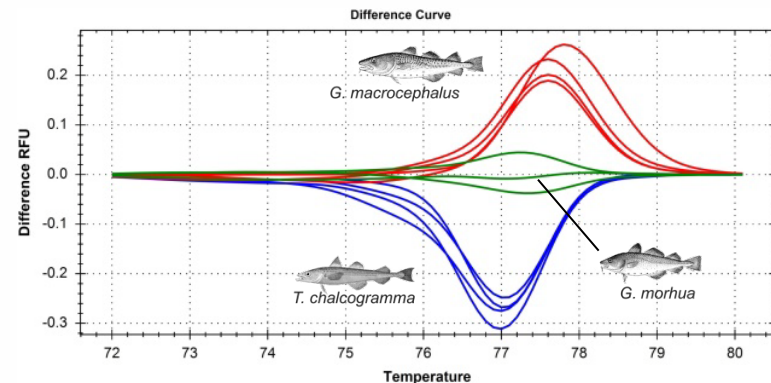
*([www.requimte.pt/laqv](http://www.requimte.pt/laqv))*



[www.ncp-biohorizon.net](http://www.ncp-biohorizon.net)

BioHorizon project is funded by the European Commission - Grant Agreement no. 652637

- Knowledge about **emergent food authenticity issues** worldwide
- Highly sensitive, fast, **high throughput DNA based methods** (qPCR) for species identification in foods
- Evaluation of the **genetic biodiversity in agricultural cultivars** by typing SSRs and SNPs - *Fast closed-tube qPCR based methods for high throughput HRMA-SNP analysis*



- Assessment of the variability in **nutritional contents and bioactivity** amongst agricultural cultivars
- **Digestion, bioavailability and activity** of nutrients / bioactive compounds using human cell lines *in vitro*

*Involvement in previous/ongoing projects in the area*



EC safe  
SEAFOOD

Priority environmental contaminants in seafood:  
safety assessment, impact and public perception



Horizon 2020  
European Union funding  
for Research & Innovation

Starting November 1<sup>st</sup>, 2017



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## GENETIC RESOURCES – AGROBIODIVERSITY

**SFS-01A-2018: Biodiversity in action: across farmland and the value chain**

**SFS-28A-2018: Genetic resources and pre-breeding communities**

## FOOD AUTHENTICITY - FRAUD DETECTION - TRACEABILITY

**SFS-16-2018: Towards healthier and sustainable food**

**DT-SFS-14-2018: Personalized nutrition**

**LC-BG-03-2018: Sustainable harvesting of marine biological resources**

## Keywords

Authenticity; Agrobiodiversity; Traceability; Bioavailability

**Miguel A. Faria, Ph.D.**  
**LAQV-REQUIMTE**  
*research-driven institution*  
**PORTUGAL**

[mfaria@ff.up.pt](mailto:mfaria@ff.up.pt)

<http://orcid.org/0000-0001-9366-0443>