



nutri shield

Project Overview



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 818110



The challenge

To create a **platform** that

- ☐ promotes safe food for the population,
- ☐ enables consumers to make informed choices and
- ☐ ensures that the proposed choices will have good chance of being adopted

Assist consumers understand:

- ☐ why each food is being suggested,
- ☐ what implications each choice may have

This is NUTRISHIELD!



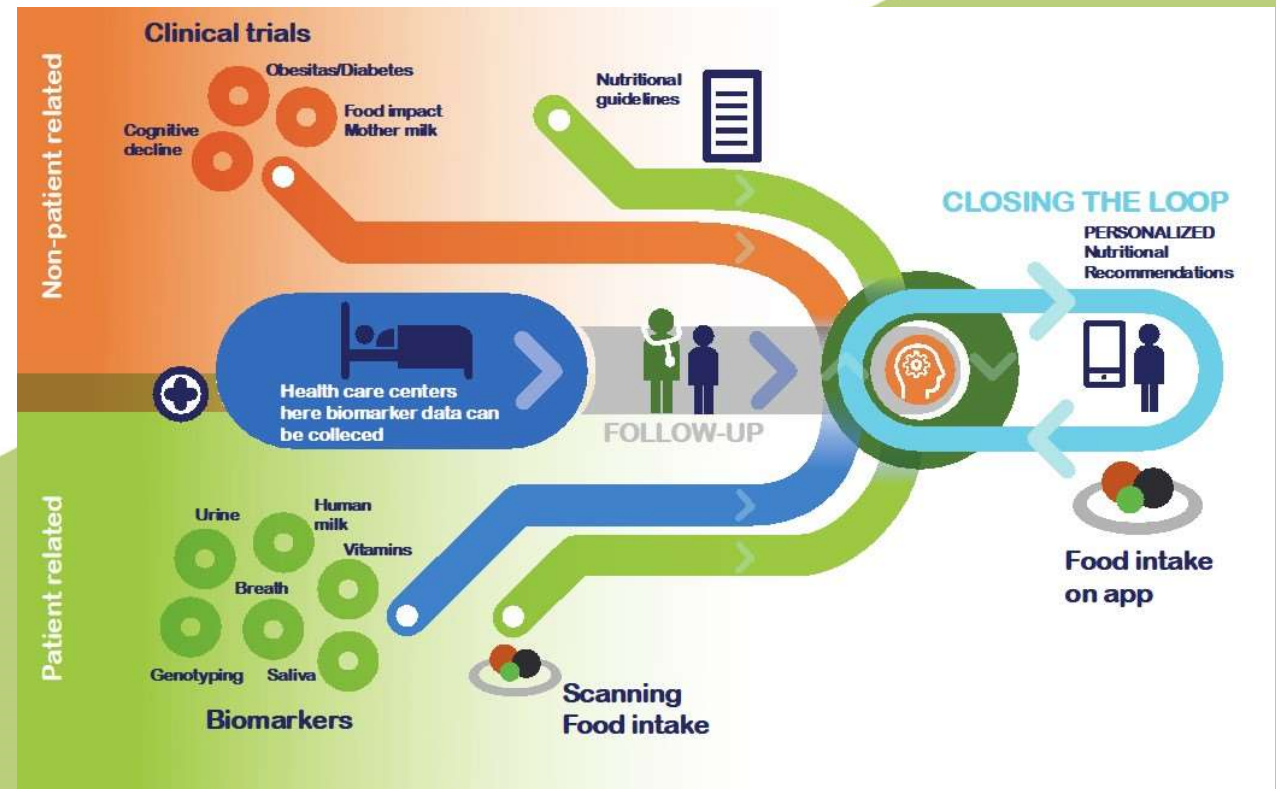
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The proposed solution

NUTRISHIELD is an innovative solution, providing personalized nutrition advice and support that will assist people in achieving their optimal health and well-being and adopting long-term healthy and sustainable diets

NUTRISHIELD aims to integrate laboratory techniques, methodologies, ICT devices & applications, algorithms and other components into one platform and validate it in clinical conditions.



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Expected Impact



Empowered consumers able to make healthy and sustainable dietary choices

Personalized diets upon scientific-based dietary assessment and advice

Increased consumer trust in personalized nutrition advice and/or support

Prevention of diet-related and non-communicable diseases

Quality-Of-Life, Health And Safety of the citizens

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Expected Impact



Increased/optimal health And well-being of individuals adopting long-lasting healthy and sustainable dietary behaviour

New market opportunities for novel concepts/tools/products, or Services in personalized advice and/or support

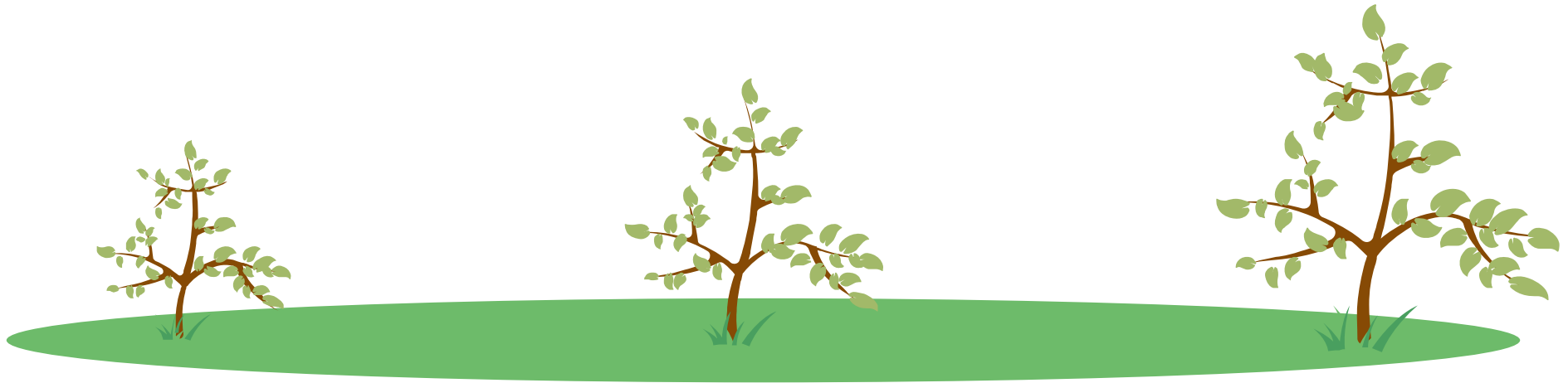
Contribution to innovation capacity and integration of new knowledge

New market opportunities, competitiveness and growth of companies



Use Cases

NUTRIESHIELD will support the execution of **three (3)** validation studies in clinical settings:



Personalized Nutrition of Young Individuals (8-10)

- Goal: Avoid the development of cognitive decline.
 - Linked to an ongoing trial performed by Donders.

Personalized Nutrition of Lactating Mothers

- Goal: Augment the nutritional value of human milk.
 - Focus on prematurely born infants with increased needs in supplied nutrients.

Personalized Nutrition Of Young Individuals (8-18), With Obesity and/or Type 2 Diabetes,

- Goal: Ameliorate their health condition.

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Our Roadmap



Nutrishield Platform

Development of an engaging mobile App in order to ensure efficient dietary habits monitoring (food journal).

Clinical Trials

Two stage interventions

- Without intervention
- with personalised nutrition intervention

Evaluation

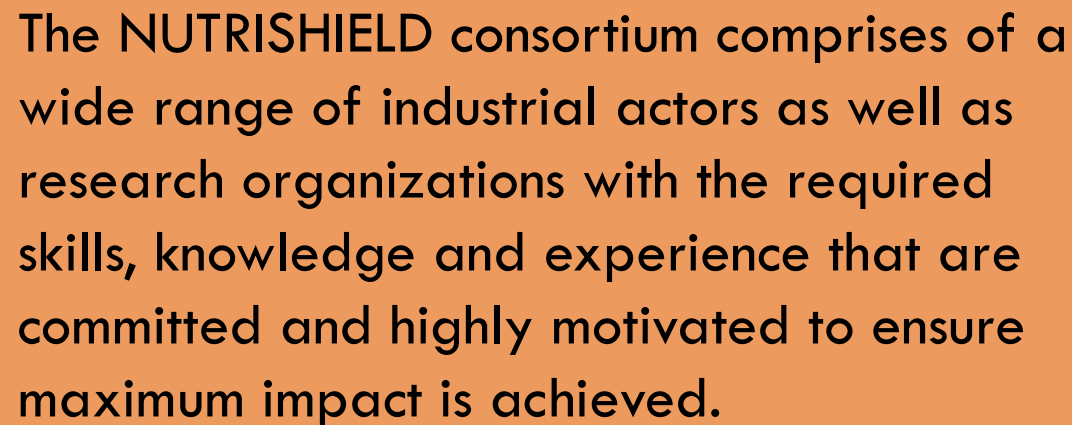
Detailed evaluation of the developed platform and successful validation against selected evaluation metrics and scenarios.

User Engagement

Requirements for all analyzers will be collected together with medical experts and other potential end users

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Thank you



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