

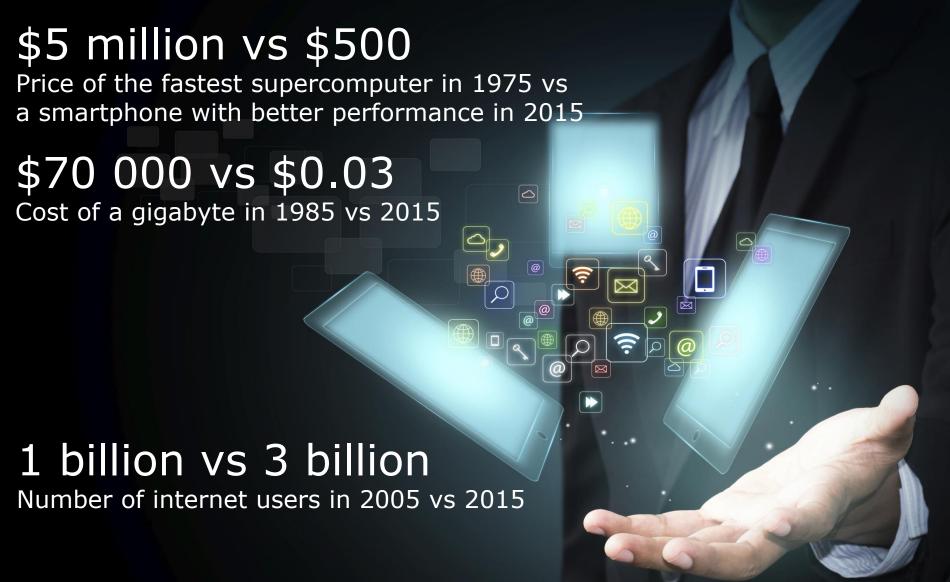
Food Scanner Prize

MADIMA 2015

8 September 2015 - Genova, IT

Gerald Cultot

DG Communications Networks, Content and Technology, European Commission



The world is changing from analog to digital



DG CONNECT Mission statement

- "The DG helps to harness information & communications technologies in order to:
 - Create jobs and generate economic growth
 - Provide better goods and services for all and
 - Build on the greater empowerment which digital technologies can bring in order to create a better world, now and for future generations."
- Our Unit coordinates research for health and well-being of citizens, including integrated care: short and mid-term, we will target the personalised, preventive healthcare of the future.

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZ (**) N 2020

7 years (2014 to 2020)

€80 billion

Biggest EU research and innovation programme

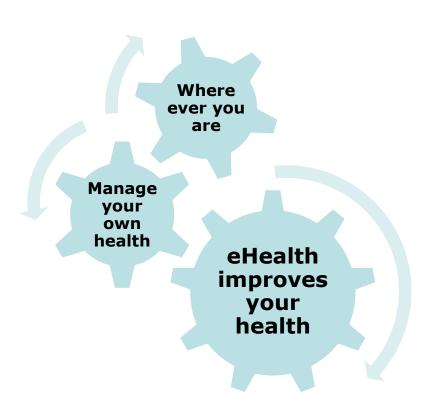
€7 billion

For Health, Demographic Change and Wellbeing Challenge





Message to Citizens





Message to Member States

SUSTAINABILITY OF HEALTHCARE AND SOCIAL SYSTEMS

INCREASED DEMAND FOR EXPENSIVE TECHNOLOGIES

MOBILITY OF PATIENTS
AND HEALTH
PROFESSIONALS

SHORTAGE OF HEALTH PROFESSIONALS

AGEING POPULATION AND GROWING PREVALENCE OF CHRONIC DISEASES

INCREASED DEMAND FOR HIGH QUALITY OF CARE Work together

Share knowledge, best practice & solutions

Achieve sustainable and efficient health systems for the future



Message to Industry

Ensure common standards & interoperability

Keep innovating in eHealth

Put users at the heart of your innovations

Healthy EU economy



Messages to Researchers

Europe wants to invest in YOU

Bring together top EU brains & build solutions for healthcare

Better care, bigger savings, increased jobs and growth

What do we do in H1?

eHealth Action Plan 2012-2020



Our vision

ACTION PLAN RESPONDS TO:

- CLIMATE OF BUDGETARY CONSTRAINTS OF HEALTH SYSTEMS
- AGEING POPULATION
- CITIZENS' EXPECTATIONS

PROMOTING INNOVATION FOR:

- BETTER HEALTH AND CARE
- TRANSPARENCY AND EMPOWERMENT
- MORE SKILLED WORKFORCE
- MORE EFFICIENT AND SUSTAINABLE HEALTH AND CARE SYSTEMS
- NEW BUSINESS OPPORTUNITIES IN EUROPE AND BEYOND



Operational objectives

ACHIEVING WIDER INTEROPERABILITY OF EHEALTH SERVICES

ENSURING WIDER DEPLOYMENT & FACILITATING UPTAKE

PROMOTING INTERNATIONAL COOPERATION

SUPPORTING RESEARCH, DEVELOPMENT AND INNOVATION

Why the food scanner prize?



Horizon Prizes in 2015



#horizonprize

www.ec.europa.eu/horizonprize 🍱



Can you crack the challenge?

BETTER USE OF ANTIBIOTICS

BREAKING THE OPTICAL TRANSMISSION BARRIERS

MATERIALS FOR CLEAN AIR
COLLABORATIVE SPECTRUM SHARING
FOOD SCANNER

Why are we launching prizes?



Major problems, difficult to solve



Limitations of standard ways of innovation (e.g. research grants)



Solution requires "out of the box" thinking



Leverage the power of the crowd and open innovation



Reduce cost and risk associated with standard innovation programmes

Non Communicable Diseases on the rise





Prevention through behavioural change is to reduce harm to citizens and our healthcare systems

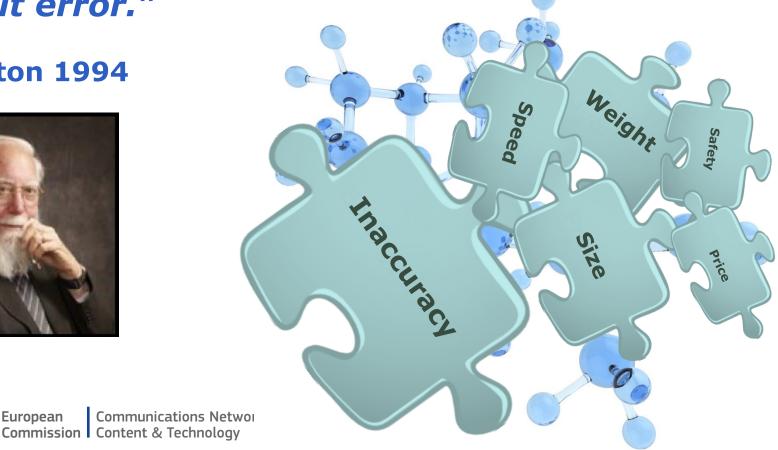


Food Scanner technological challenge

"There is not, and probably never will be, a method that can estimate dietary intake without error."

GH Beaton 1994







RULES OF CONTEST





Food Scanner Prize objectives

Develop an affordable and non-invasive mobile solution to successfully assess nutrition facts and detect potentially harmful ingredients in food



Requirements

1. Measurement of nutrition facts

- Energy value (calories)
- Fat (saturates, mono-unsaturates or polyunsaturates)
- Carbohydrates (sugar, polyols, starch)
- > Protein

The minimum level of accuracy for these measurements is:

- o 5% for homogeneous food
- o 15% for heterogeneous food

2. Detection of allergens & ingredients causing intolerance

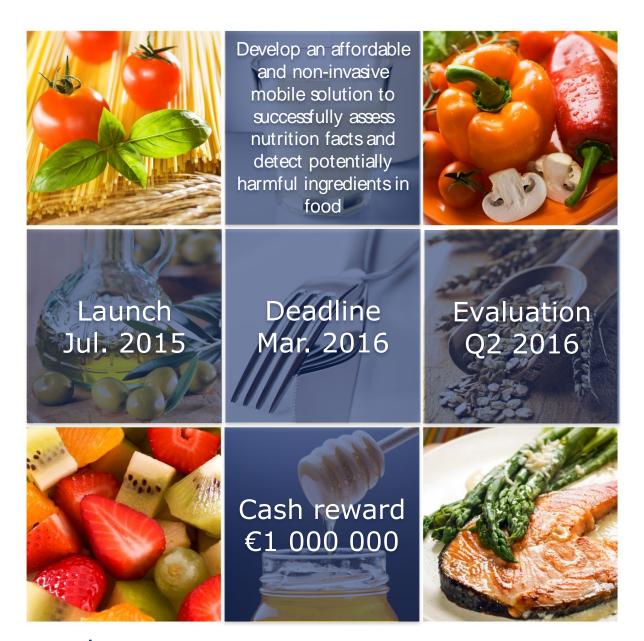
- > Egg
- > Gluten
- > Hazelnuts
- > Milk
- > Peanuts

The minimum mandatory level of detection is 2%.

3. Detection of chemicals

Dichlorodiphenytrichloroethane (DDT)

The minimum mandatory level of detection is 1%.





Participation criteria

Who can join the contest?

• Any legal entity or groups of legal entities in EU Member States or in countries associated to Horizon 2020, the EU's research and innovation programme

How can the challenge be met?

- The prize rules give contestants total freedom to come up with the most promising and effective solution
- Rules of contest have been published on 22 July 2015

Applications start tomorrow!



Communication channels



Food Scanner Inducement Prize

ec.europa.eu/horizonprize/foodscanner



CNECT-HEALTH-PRIZE@ec.europa.eu



@EU_eHealth

#foodscanner



in linkd.in/1BIGxnF

Food Scanner Horizon Prize - YouTube



www.youtube.com/watch?v=v0uggsj4Ars Jul 22, 2015 - Uploaded by DigitalAgendaEU Can you crack this challenge? Invent a food scanner that can provide all kind of details: - number of calories ...

