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# **Monitoring development for emerging/new technologies and prioritisation of HTA**

Work Package 7 (B)

Informationssystem on emerging techs





# Context/Background

All Western health care systems confronted with a **RISING NUMBER** of new **HEALTH TECHNOLOGIES**,

In **GLOBALIZED MARKETS** all European health care systems have to make decisions on the managed introduction or reimbursement of the **SAME health technologies**,

Growing number of HTA-agencies (investing in **EMERGING TECH PROGRAMS** for early awareness and horizon scanning (200 entries p.a.),

Growing **POOL of KNOWLEDGE** on emerging technologies, often published as “technology briefings”.



# Objectives (WP7/Strand B) eunethta



- To avoid duplication of efforts by making the information gathered within formal horizon scanning agencies available to a wider audience beyond regional or national decision makers,
- To develop a frequent information system on new and emerging technologies before broad diffusion,
- To develop a PILOT/PROTOTYPE of EU-wide emerging tech newsletter.



# Method



**2006: Systematic Review** on all 13 Emerging Tech Programs (analysis of processes & sources for filtering and selecting, criteria)

**2007: Design of Prototype**

- content (cooperation with NHSC-UoB/Euroscan),
- appearance (WP 2)
- Process

**2008: Production and Evaluation, Dissemination**

# EU-wide emerging tech newsletter



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Highly visible and potential impact for  
setting the agenda in Europe.

Therefore the process of selection  
has to be transparent !!!

# Prioritisation Criteria & Scoring



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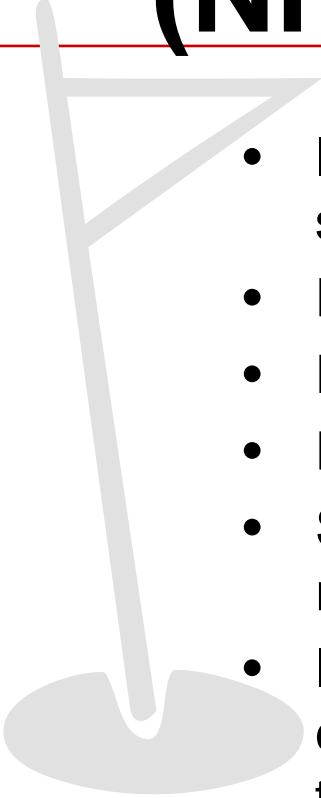
Significance-criteria: potentially low impact, important or highly significant technology

Scoring: 0-5 (indicators for articles)

# Significance Criteria (NHSC)



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- Is this an innovative therapy for a condition with no satisfactory standard treatment?
  - Potential health benefit if the technology diffuses widely
  - Potential for inappropriate diffusion or use of the technology
  - Potential cost impact if the technology is widely diffused
  - Staff retraining needs or infrastructure changes likely to be required
  - Is there likely to be significant legal, ethical, political, environmental or social issues with regards to the use of the technology?
  - Is this technology likely to have an impact in your country?  
Is this an innovative therapy ?

# Prototype - Procedures for Selection, Prioritising



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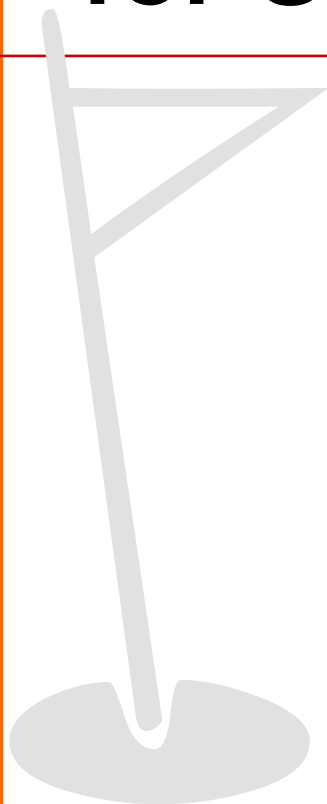
## Multistep process (about 3 months):

1. Priorisation of by PP/ Priorisation Panel (twice, 100 tech each time) – 6 EU-countries
2. Collection of results (NHSC-UoB)
3. Agreement of final list by EB/ Editorial Board
4. Articles and editorial written
5. put into template
6. Distribution (EUnetHTA website)
7. Evaluation

# Prototype - Procedures for Selection, Prioritising



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## Techs taken from EuroScan Database:

- Informations on: Technology name
- Company/ Developer
- Technology description
- Patient indications
- Stage of development
- Technology type
- Technology use
- Number of patients
- Cost

# Prototype - Design

Issue no 1 - 2008



**On the**



**HORIZON**

EUROPEAN NEWSLETTER ON NEW AND EMERGING HEALTH TECHNOLOGIES

# Conclusion



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- Lack of understanding what kind of information is available in early stages of techs
- Audience very diverse – tailor-made information-service makes diversification necessary
- Practicality: involvement of many EU-experts in prioritisation is time-consuming (3 months) within the production of timely information

# EUnetHTA 2009+

## Future & adjustments



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Utmost intention:

→ **avoidance of duplication!**

Instrument under further development:  
→ **monthly exchange of information on ongoing or planned emerging/new tech assessments gathered in HTA-agencies, but not necessarily a newsletter!**

# Acknowledgement:

## WP7- Involved organisations



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### 2 Lead Partners:

**HAS**

France

(Strand A)

**LBI-HTA**

Austria

(Strand B)

### 19 Associated Partners:

Denmark (1),  
Estonia (1),  
Germany (3),  
Ireland (1),  
Italy (3),  
Netherlands (2),  
Norway (1)  
Slovenia (1),  
Spain (4),  
Sweden (1),  
Cochrane  
Collaboration

### 8 Collaborating Partners:

European  
Observatory,  
EuroScan,  
OECD,  
DZPHG, PHGEN  
(Germany),  
Cedit (France),  
ICTAHC (Israel),  
Polhta (Poland),  
SNHTA (Switzerland)

**Under contract:**  
NHSC-UoB



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EUROPEAN NETWORK FOR HEALTH TECHNOLOGY ASSESSMENT