



CIP - ICT Policy Support Programme

ICT-PSP Austrian information day
Vienna: 28th February 2012

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EC/ INFSO : "Strategy for ICT research and innovation" Unit



ICT PSP Call 6 based on WP2012

Five Themes:

Theme 1: ICT for smart cities (24 M€)

Theme 2: Digital content, open access and creativity (41 M€)

Theme 3: ICT for health, ageing well and inclusion (27 M€)

Theme 4: ICT for innovative government and public services (20 M€)

Theme 5: Trusted eServices and other actions (15 M€)

Covering in total 19 Objectives

Total indicative budget: **127 M€**

Call launch: 3 February 2012

Call close: 15 May 2012

In addition to this infoday:

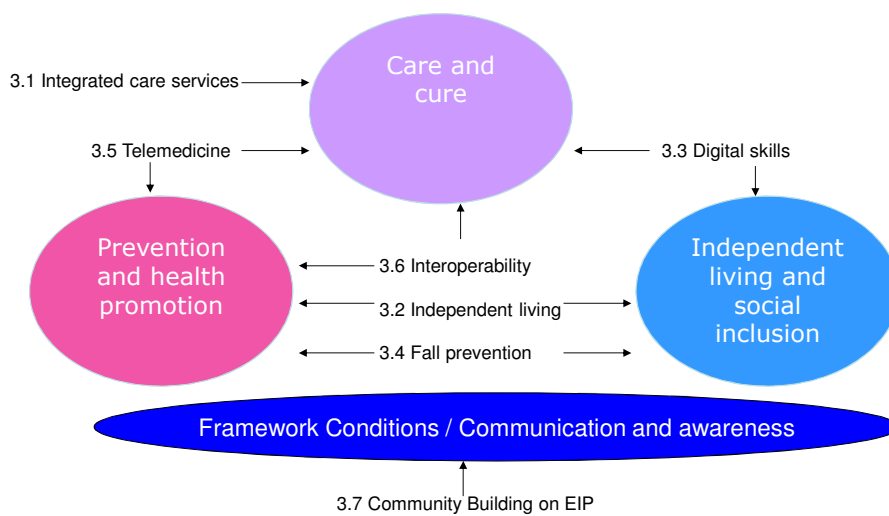
General information day (http://ec.europa.eu/ict_psp)

Specific Thematic workshops (http://ec.europa.eu/ict_psp)



Theme 3: ICT for health, ageing well and inclusion

CIP objectives and EIP AHA innovation areas





Objective 3.1: Wide deployment of integrated care services

Funding Instrument: Pilot A - one pilot up to 8M€ EU contribution

Focus and outcomes:

- **ICT services supporting the integration of healthcare, social care and self-care (horizontal integration)**
- **Unlock new services and value chains**
- **Involve new actors (e.g. procurers, insurers, regional development planners)**
- **Deploy new care pathways and new organisational models**



Objective 3.1: Wide deployment of integrated care services

Conditions and characteristics:

- **Involve wide spectrum of stakeholders (public authorities, care service providers, insurers, associations of care professionals and informal care givers, patient and elderly organisations, procurers, insurers, regional development partners etc.)**
- **Validate organisational changes, e.g. patient care pathways, training of care teams and patients, reimbursement models, synergies between social care and health care budgets.**
- **Large-scale deployment (at least 8 MS/AC health and social care with good balance of early adopters and followers)**
- **Develop guidelines for procuring, organising and implementing integrated care**
- **Gather and provide evidence on impact of telehealth and telecare**
- **Build an ambitious exploitation plan (sustainability and expansion of services)**



Objective 3.2 – Towards Open and Personalised Solutions for Active and Independent Living

Funding Instrument: One Pilot B – 5 M€

Focus and outcomes:

- Interoperable and open standards based ICT solutions in support of independent living and integrated care
- Adaptable to multiple and changing user needs and different organisational settings
- Demonstrating socio-economic benefits from open ICT-based service platforms as basis for delivery of independent living services to older people and their formal/informal carers



Objective 3.2 – Towards Open and Personalised Solutions for Active and Independent Living

Conditions and Characteristics

- Involve at least 5 organisations responsible for service delivery with at least 5000 end-users
- Build on open and interoperable ICT service platforms
- Demonstrate flexible delivery of a relevant set of independent living and care services based on interoperation between multi-vendor solutions
- Build on experience from existing public/private initiatives
- Provide proven reference specifications for public procurement and organisational best practice to enable replication
- Produce large scale socio-economic evidence on impact from open service platform approach
- Deliver a credible and ambitious exploitation plan
- Ensure comprehensive dissemination and communication activities as integral part of the work



Objective 3.3: Digital capacity and skills

Obj. 3.3.a - Funding Instrument: Pilot B – 2.5 M€

Focus and outcomes:

- For health, social care and social inclusion actors – in the field of active and healthy ageing and wider digital inclusion
- ICT-based digital literacy training based on innovative, inclusive and creative technology solutions
- Main target: "social inclusion agents". Also: relevant to coordinators of digital inclusion initiatives.
- Tools and cooperation developed in the area of active and healthy ageing – to be re-usable across digital inclusion field



Objective 3.3a: Digital capacity and skills

Conditions and characteristics:

- Deliver blueprint, replicable training materials
 - Define qualifications, curricula and toolkits - based on innovative web learning services and ICT tools
 - Link to certification and competence framework
 - Deliver socio-economic impact and evidence
 - Ensure coordination between relevant actors (at least 15 to 20 regions)
 - Bring coherence, build on experience of existing pilots and social innovation initiatives
 - Synergetic exploitation, dissemination, communication plans.
- Indicators**



Objective 3.3.b: Digital capacity and skills

3.3.b - Community Building for digital literacy and skills

Funding Instrument: TN – 0.5 M€

Focus and outcomes:

- Connecting existing national/regional/sectoral networks relevant to implementation amongst elderly people and their carers
- Exploring synergies across formal and informal education
- With positive effects on digital literacy amongst other excluded groups



Objective 3.3.b: Digital capacity and skills

Conditions:

- Identify and use existing policies, best practices – for upscaling and replication
- Bring min. 15 European countries. Enable input beyond
- Ensure exchange, translation and localisation of resources via common, multilingual, self-sustained web 2.0 platform
- Coordinate emergence of indicators, impact assessment, certification schemes to avoid duplication
- Raise awareness beyond the ICT converted (social and education field)
- Identify mechanisms for building multi-stakeholder PPP



Objective 3.4 – Fall Prevention network for older persons

Funding Instrument: One TN – 1 M€ (actual costs)

Focus and outcomes:

- Bring together key national and/or regional actors in innovative solutions for fall prevention and intervention
- Develop and consolidate guidelines and toolkits for ICT based fall prevention and intervention
- Compare, share good practices
- Gather evidence on socio-economic impacts
- Strengthen dialogue between supply and demand side actors
- Establish a reliable information base on innovation in fall prevention and intervention



Objective 3.4 – Fall Prevention network for older persons

Conditions & Characteristics:

- Build on key national and/or regional stakeholder platforms in fall prevention and intervention of older people
- Reaching out to full value chain
- Liaise with relevant EU level activities, projects, programmes
- Regular workshops on key issues and comparison of best practices
- Developing and disseminate common approaches for measuring socio-economic effects
- Consolidate guidelines for large scale deployment
- Ensure availability of innovative risk assessment tools as well as proven innovative toolkits for e.g. training, early diagnosis, detection, assessment of functional capacity





Objective 3.5: Large scale deployment of telehealth services for chronic conditions management

Funding Instrument: Pilot A – one pilot up to 5M€ EU contribution, max. duration 36 months

Focus and outcomes:

- Care integration (vertical: primary, secondary, tertiary care), personalised health care
- Implement large-scale, real-life solutions based on innovative telehealth services, in patient-centred approach
- Validate and strengthen the evidence of telehealth for chronic disease management (effectiveness, cost-efficiency and transferability of the services)
- Develop guidelines to identify profiles of patients who may benefit from the provision of telehealth services (considering e.g.: condition, age, severity of the condition, co-morbidity, etc.)
- Involvement of stakeholders particularly relevant for the development of the market



Objective 3.5: Large scale deployment of telehealth services for chronic conditions management

Conditions and characteristics:

- Build on existing projects and reuse, when possible, established and scientifically validated methodologies
- Involve a wide spectrum of actors (public authorities, telehealth service providers, associations of care professionals, patient organisations, insurers, procurers etc.)
- Deployment of telehealth in a significant number of MS/AC, involve significant number of national/regional authorities responsible for healthcare – with good balance of early adopters and followers)
- At least three areas of chronic conditions amongst the ones with high impact on healthcare system (cvd, diabetes, respiratory, mental...)
- At least one of the pilot sites to develop a programme addressing co-morbidity



Objective 3.5: Large scale deployment of telehealth services for chronic conditions management

Conditions:

- For each chronic condition area, multi-centric design: a **sole disease management programme deployed across all pilot sites (i.e. homogeneous methodological approach and intervention)**
- **At least two of the disease management programmes to address integrated care across different levels of healthcare (home, primary, secondary and tertiary care – vertical integration)**
- **Address issues for cross-border deployment of services, including quality and care standards and interoperability**
- **Build an ambitious exploitation plan (sustainability and expansion of services)**
- **Develop guidelines for procurement and large-scale deployment of telehealth services and transferability to other sites (replicability), addressing technical issues (e.g. interoperability), organisational issues (e.g. care pathways, skills of healthcare workforce and patients), legal and reimbursement frameworks)**
- **Strengthen evidence on effectiveness and efficiency, compliance and adherence to treatment**



Objective 3.6: Adoption and taking up of standards and profiles for eHealth interoperability

Funding Instrument: *Thematic Network – 1 M€*

Focus and Outcomes:

- **Support adoption and take-up of standards for eHealth interoperability**
- **Formalised specifications are being developed by fora and consortia which could be part of an EU Interoperability Framework**
- **The setting up of a two levels (EU – MS) Interoperability Testing and certification scheme was recommended by the Hitch project**
- **Support the replication and scaling up of the deployment of innovation services in the frame of the EIP on Active and Healthy Ageing**



Objective 3.6: Adoption and taking up of standards and profiles for eHealth interoperability

Conditions and Characteristics

- Drive adoption of interoperability standards and specifications at European level;
- Drive adoption of eHealth Interoperability Testing Guidelines.
- Drive closure of key gaps in interoperability testing tools.
- Drive adoption of a two-level labelling and certification process (European level and national/project level)
- Ensure that all necessary phases to attain eHealth interoperability shall be taken into account and addressed properly.
- Propose and implement solutions or process improvement to address barriers to standards adoption (as described in eHealth-Interop report as a result of M403 phase I).
- Include relevant organisations and consortia recognised by the market or by regulation and having demonstrated, well established and several years experience in standards or specifications development, testing or quality labelling.
- Not exceed 24 months in duration.



Objective 3.7 : Community Building for EIP on Active and Healthy Ageing

Funding Instrument: Thematic Network – 1 M€

Focus and outcomes

- Support implementation of the EIP on AHA, through increasing awareness, creating consensus and coalitions for wide-scale deployment.
- Create a community where to develop solutions and share methodology and indicators to assess innovative services.



Objective 3.7 : Community Building for EIP on Active and Healthy Ageing

Conditions:

- **Address** cross-border **and** transferability **issues**
- **Establish** roadmaps **for** targeted **deployment (selected groups of regions; MS or Associated States)**
- **Support and organise targeted workshops**
- **Enable input from widest range of expert stakeholders**
- Align **with other relevant existing initiatives**
- **Facilitate** links **between projects' results and partners relevant for market uptake**

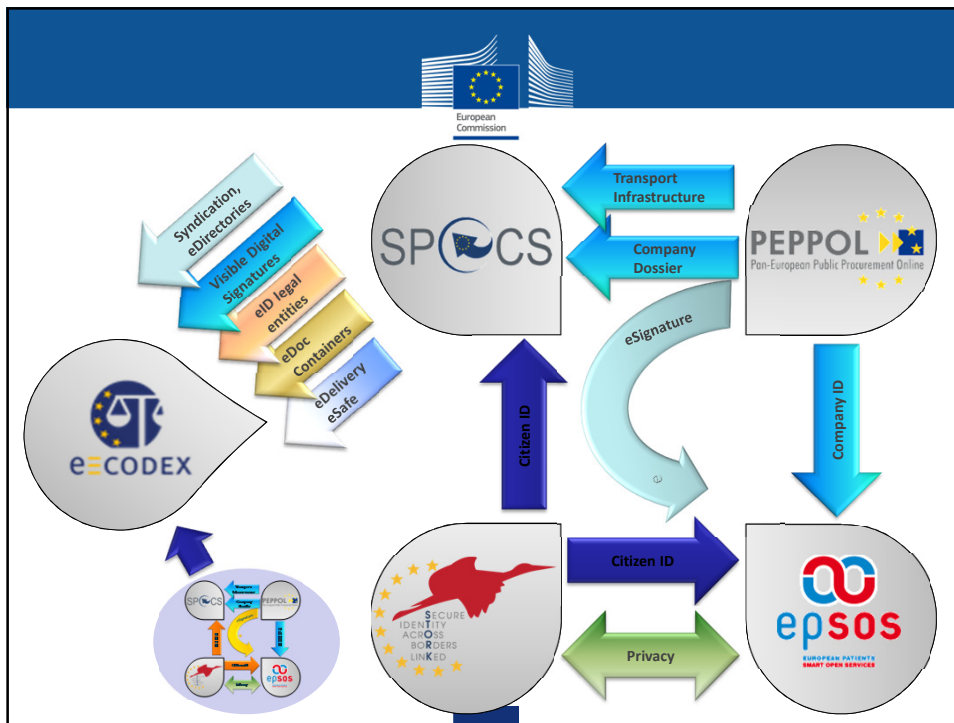


Theme 4: ICT for innovative government and public services

Objective 4.1 : Basic cross border services

Objective 4.2 : Extension of eCodex

Objective 4.3: Extension of HeERO



Objective 4.1: Basic Cross Sector Services

(Pilot A)
12M€ EU-funding

Focus and outcomes

Develop a comprehensive, coherent and reusable set of public services building blocks based on the outcome of the pilots, but could also included missing blocks (eID, eDelivery, Virtual Company Dossier)

**Prepare the path for the long term deployment and take-up
Must work in coordination with the running pilots**

Characteristics:

- To include 12 months piloting
- Dissemination is a critical activity for the take-up
- minimum 6 National Administrations
- Open specifications and open source licenses
- Involvement of standardisation bodies recommended

Objective 4.2: Extension of eCODEX

5M€ EU Funding for a pilot A extension

Focus and outcome

- eCodex is a pilot A in eJustice, involving 14 MS and Turkey
- Extension geographically and extension of scope
- The pilot should also be completely integrated into the eJustice portal of the European Commission

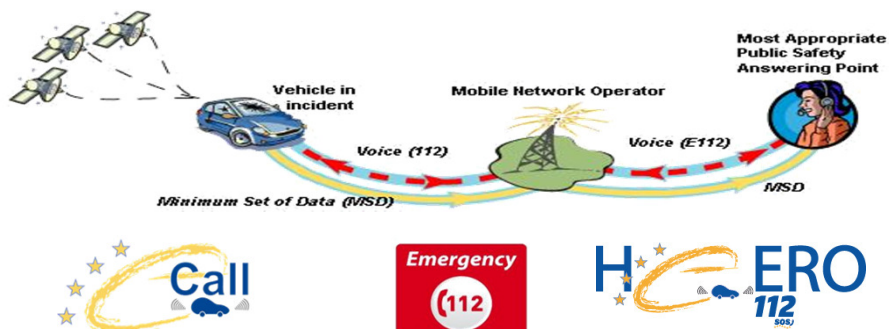
Characteristics

- Must include at least 5 additional MSs or associated States
- In particular, attention will be paid on cross border judicial fields of law
- Offer a complete set of services integrated in the eJustice Portal

Objective: Extension of the of Pilot HeERO

Extension of Pilot Type A, 3 M€ of EU contribution

Deployment of the necessary infrastructure to realise the interoperable EU-wide in-vehicle emergency call service "eCall"



HeERO: Harmonised eCall European Pilots



HeERO includes nine Pilots in the following EU Member and Associated States:

- Italy 
- Romania 
- Greece 
- Finland 
- Sweden 
- Czech Republic 
- Germany 
- Netherlands 
- Croatia 



HeERO main target is the multi-country pilot, involving all nine countries and addressing the interoperability of the service across Europe. It also includes an international pilot involving three countries with Russia ERA GLONASS system.

ICT PSP CIP Pilot A

Project Coordinator: ERTICO

Project duration: 1 January 2011 – 31 December 2013

Consortium: 40 partners + 9 EU Member and Associated States

EC contribution: 5.000.000 euro. <http://www.heero-pilot.eu/>

HeERO
Harmonised eCall European Pilot

Conditions and characteristics

- The pilot should include at least 5 additional relevant administrations from MS or AC not yet in HeERO
- The additional administrations are to be already upgrading - or in the planning phase for upgrading - their infrastructure to support the EU-wide eCall service
- The use of the existing outcomes of the HeERO pilot, in particular the guidelines and procedures
- The assessment and testing of the relevant pan-European eCall standards to make the service seamlessly interoperable EU-wide, including certification
- PSAPs upgrade to receive and process eCall information based on the specifications to be adopted under the ITS Directive
- Plan for long term deployment and sustainability of the eCall service beyond the pilot phase
- The pilot should build on the work of the "European eCall Implementation Platform"



CIP ICT-PSP Infoday. 14/01/2010 : Slide 28



Theme 5: Trusted eServices and other actions

Objective 5.1: Cyber-Security

Objective 5.2: Mobile Cloud for Business Applications

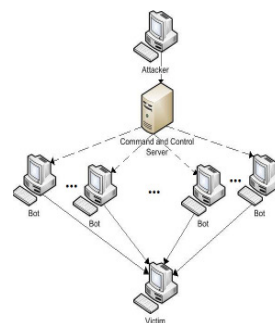
Objective 5.3: Contribution of satellite systems to 100% EU broadband coverage



Objective 5.1 : Cyber-Security

Botnets - Background

- *Definition: a network of infected computers controlled as a group without the owner's knowledge*
- *Main technical vehicle for cybercrime (Denial of Service Attacks, Extortion, Spyware, spam, selling fake software...)*
- *Botnets undermine the trust in e-Services*
- *Examples:*
 - **Conficker: spamming via ca. 10 million Bots (2009)**
 - **DDoS attack on Estonian government (2007)**
 - **DNSChanger (2011), diversion of Web traffic to paying advertisers**





How to fight botnets?

- *Address the diversity of botnet technologies; research multiple approaches to analyse and fight them*
- *Identify the suitable tools to mitigate botnets, to prevent the infections and to identify and take down the Command & Control Server and the Attacker*
- *Take the legal and economic factors into account*
- *Involve all affected stakeholders:*
 - **ISPs, network operators, software producers, web service providers, public authorities, R&D**
- *Build trust between stakeholders to exchange information and enable collaboration*



Pilot B Fighting botnets

- *Investigate, integrate, demonstrate*
 - **Best practices and development of pilot platform**
 - **Best available techniques & tools for botnet discovery, mitigation, simulation.**
 - **End-user security education & awareness raising**
- *Identify*
 - **Opportunities & barriers for intervening with infected machines**
 - **Compliant with legislation & user rights.**
- *Budget (8 M€)*



Thematic Network

Community building for information sharing and effective responses to cyber threats

- *Build*
 - **A trusted information exchange regarding vulnerabilities, threats and attacks**
 - **An enduring network infrastructure**
- *Identify*
 - **Common requirements to address cyber threats and to share best practices**
- *Conduct*
 - **Regular workshops, seminars and trainings to heighten awareness and disseminate competencies**
- *Liaise*
 - **with existing stakeholders and initiatives**
- *Budget (1 M€)*



Outcomes

- **Technical specifications to detect & mitigate botnets**
- **A reference implementation for wider use across Europe**
- **Guidelines and best practices to fight botnets**
- **Better awareness among stakeholders**
- **Accelerated adoption of innovative cyber-security solutions**
- **Strengthened partnerships across the sectors between stakeholder groups**
- **Increased mutual trust for future combined efforts against cyber-threats**

Result: Increased cyber security!



More information:
http://cordis.europa.eu/fp7/ict/security/cip-call-infoday-content_en.html

or
Martin.Muehleck@ec.europa.eu



Objective 5.2: Mobile Cloud for business application

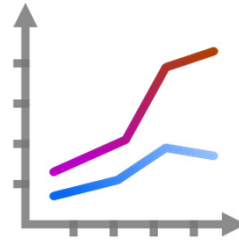
Stimulate uptake of mobile cloud applications for customers and employees to access key business applications through smart devices



Objective 5.2: Outcomes

What Europe needs: (from workprogramme text)

Stimulate uptake of **mobile cloud applications** for customers and employees to access **key business applications** through **smart devices**



business-focused applications where **collaboration, secure data sharing, and reliability** are key factors



Objective 5.2: Pilot actions

One or two pilot actions for 5 M€ EU contribution in total

What a pilot action should do: (from WP text)

Investigate the aspects of mobile networks that impact **mobile services** (such as intermittent availability and properties, variations over time in quality and speed of network connections).



On the road

4 to 8 complementary experiments covering the mobile cloud challenges based on applications or services **that already exist in some form.**



Recycle the Apps!

Objective 5.2: Pilot actions

**One or two pilot actions for
5 M€ EU contribution in total**

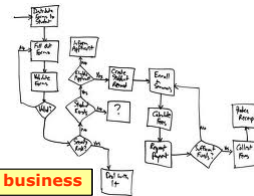
What a pilot action should do: (from WP text)

Use an **existing cloud platform** for business applications on which mobile cloud applications can be developed and deployed



Recycle the Cloud!

Complex business scenarios
involving the use
of different cooperating "apps"



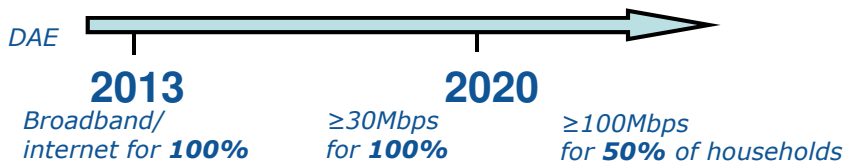
Do serious business

For more information

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Objective 5.3 : Contribution of satellite systems to 100% EU broadband coverage



- Satellites provide coverage
- Satellites provide broadband solutions, stand-alone or integrated with terrestrial solutions
- Raise awareness
- Sparsely populated areas?
- Use previous regional experiences!
- Next-generation satellites in operation (i.e Hylas, KA-SAT)!



One Thematic Network for up to **1 M€ EU** contribution in total

Use of public and private investments in innovative supporting schemes, e.g. demand aggregation

Repository to share information about the possibilities of broadband access by satellite

Build on experiences in satellite broadband (Analyze initiatives outside EU) Address use of innovative supporting schemes

Analyze non technological road blocks

Identify possible satellite broadband offers (in regions with market failure assumption and need)

Raise awareness

*More information: DG INFSO D1 - Future Networks:
http://cordis.europa.eu/fp7/ict/futurenetworks/home_en.html*



ICT PSP Website

General information about the programme

Dynamic newsroom

Participating in ICT PSP

- Information about calls (WP, infoday slides, guiding documents)
- Specific workshops and contact points for themes and objectives
- Expert registration and experts database

Running activities and projects

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http://ec.europa.eu/ict_psp

- About ICT PSP
- Participating in ICT PSP
- Events
- Running Activities and Projects
- Library
- FAQ
- Useful links
- Contacts

ICT Policy Support Programme as part of the Competitiveness and Innovation framework Programme (CIP)



The ICT Policy Support Programme (or ICT PSP) aims at stimulating innovation and competitiveness through the wider uptake and best use of ICT by citizens, governments and businesses.

NEW : Work Programme and Call for Proposals - 2012

The draft ICT PSP Work Programme 2012 has been approved by the CIP ICT Committee. The work programme is still subject to the formal approval by the Commission (expected in January 2012). You can [download the draft ICT PSP Work Programme 2012 here](#).

The draft Call for Proposals will be open from 1 February until 15 May 2012 (pending the formal approval of Work Programme 2012 by the Commission).

News
Draft ICT PSP Work Programme and Call for Proposals 2012 now online (11/07/12)
Results showing increased the uptake of e-health with a new network for European Co-operations, European Commission (12/07/12)
Draft ICT PSP Work Programme 2012 (12/07/12)

All news

Funding

No funding opportunities available for the moment.

Next Events

Warning up for the Citizens' Initiative Group, 24 January 2012
WOMEN - Workshop: New Disruptive Trends For Breast Diagnostic, London, 26 February 2012
TEEMED 2012 (The Ternary Center, Washington D.C., 14 - 15 April 2012)
More events...

In the Library

"eHealth advice setting next volume"