

# EnCoRe: Ensuring Consent and Revocation

*Collaborative research into  
informational privacy by UK  
industry and academia*



# EnCoRe User Advisory Group

## 1<sup>st</sup> meeting, 11 February 2009

### Agenda:

- Introduction and Welcome
- The EnCoRe project
  - Genesis and history
  - Aims and activities
  - Status and plans
- Breakout sessions (3 in parallel)
- Report back and Wrap up
- Lunch



# EnCoRe: Ensuring Consent and Revocation

*Collaborative research into informational  
privacy by UK industry and academia*

*Pete Bramhall, Project Co-ordinator*



# Genesis and history

- Technology Strategy Board
  - Network Security Innovation Platform
- 2007: emerging need for research to ensure privacy and consent
  - TrustGuide research report, etc.
- Conference to stimulate interest – July '07
- Funding agreement between TSB, EPSRC & ESRC
- Expressions of interest from researchers



# Genesis and history

- 1-week sandpit in November 2007
  - Identify projects
    - Scope, objectives
  - Form consortia
  - Develop proposal skeletons
  - Review and feedback, iterate
- Five worked-up proposals submitted
- Selection made in March '08



# Three EPAC projects

- PVNETS
  - Privacy Value Networks
  - [www.pvnets.org](http://www.pvnets.org)
- VOME
  - Visualisation and Other Methods of Expression
  - [www.vome.org.uk](http://www.vome.org.uk)
- EnCoRe
  - June 2008 to November 2011
  - [www.encore-project.info](http://www.encore-project.info)



# The EnCoRe Basics

- What
- Who
- How
- When



*The overall vision of this project is to make giving consent to the use, storage and sharing of personal information as rigorous, reliable and easy as turning on a tap ...*



*... and revoking that consent as rigorous, reliable and easy as turning it off again.*





# EnCoRe



EnCoRe

# EnCoRe aims and outcomes

To:

- enable business to adopt scalable, cost effective and robust consent and revocation methods for controlling the use, storing, locating and sharing of personal data.



# EnCoRe aims and outcomes

To:

- benefit individuals by providing meaningful, intuitive mechanisms which will allow them to control the use of their personal information held by others.



# EnCoRe aims and outcomes

To:

- help restore individual confidence in participating in the digital economy and so, in turn, benefit the wider society.



# Project partners

- Hewlett–Packard Laboratories
- HW Communications Ltd
- London School of Economics and Political Science
- QinetiQ
- Ethox Centre, University of Oxford
- Warwick Digital Laboratory, University of Warwick



# EnCoRe project deliverables – all relating to consent & revocation

- Taxonomy
- Report on current practice, requirements, barriers to improvement
- Requirements formalisation
- Reports on techniques, management strategies and best practices for businesses



# EnCoRe project deliverables – all relating to consent & revocation

- Technical architectures and prototypes
- Legal recommendations
- Proposals for certification & validation



# EnCoRe project approach

- Driven by case studies
  - Selected from a set of scenarios
- Investigate current practice, requirements, barriers to improvement, legal and social aspects, business process aspects, regulatory aspects, etc.
- Develop a formal taxonomy and representation of consent and revocation and their requirements



# EnCoRe project approach

- Develop technical architectures for 3 scenarios
- Produce and characterise prototype implementations
- Disseminate and exploit the knowledge gained
- Stimulate development of the regulatory regime
  - Policy, law, regulation, standards, best practices



# Initial set of scenarios

<i>Sharing within or between entities</i>	Within	Between	Between	Between	Between
<i>Case/Type</i>	<i>Business</i>	<i>Business</i>	<i>Personal</i>	<i>Government</i>	<i>Research</i>
<i>Example</i>	<i>Large corp</i>	<i>'Selected partners'</i>	<i>Personal comms</i>	<i>eGov</i>	<i>Health</i>
Timescale of interaction	Short	Medium	Variable	Long	Long
Volume of personal information exchanged	Minimal	Minimal	Low	Detailed	Detailed
Sensitivity of personal information exchanged	Limited	Limited	Medium	Medium	High
Onward sharing	No	Yes	Yes	Yes	Yes
Potential for leaks	Yes	Yes	Yes	Yes	Yes
Organisations/entities involved	1	1+	Potentially very many	1+	1+
'Common good' conflicts	No	No	No	Possibly	Yes
Redemption / special cases	N/A	N/A	Yes	Possibly	N/A
Required persistence/validity of data	Short	Short	Short	Long	Long
Instantiation example	Employee data	Consent-based marketing	Social networking	DVLA	Biobank



# Progress to date

- Recruitment
- Literature survey and Mindmap
- Initial draft of Taxonomy
- Four requirements-gathering workshops
- One paper
- Website
- Participation in various external events
  - ICO, KTN, Kable, BCS, ICIS, etc.



# Schedule overview

Quarters	01	02	03	04	05	06	07	08	09	10	11	12	13	14
	Jun 08	Sep 08	Dec 08	Mar 09	Jun 09	Sep 09	Dec 09	Mar 10	Jun 10	Sep 10	Dec 10	Mar 11	Jun 11	Sep 11
This colour denotes that the WP is active in the quarter starting on the 1st of the month listed														
WP1: Concept formalisation														
WP2: Technical design				1	1	1	2	2	3	3	3	3		
WP3: User requirements														
WP4: Regulatory environment														
WP5: Compliance methods														
WP6: Implementation and Validation					1	1	1	1	2	2	3	3	3	3
WP7: Project management														
WP8: Communication, Dissemination, Exploitation														

# Key upcoming milestone

- Milestone #2: 26 February 2009
  - Decision on the first use case to be investigated in depth and realised technically
  - Ideally, identify at least one of the other two use cases for similar attention



# What we need from you

- Now
  - Inputs
    - To our decision on which scenarios to select for deep attention, and also on
    - How we can be most effective in research, development and exploitation
- Later
  - Continue to provide expert guidance
  - Viral promotion of the project
  - Priming the pump for adoption of results



# Questions?



# Breakout session #1

- Topic:  
What are the priority scenarios for us to consider and choose, including outside-the-box (but real) ones we have not yet considered?
- Coffee at 10.45



# Breakout session #2

- Topic:  
How can we make EnCoRe have real impact?
  - What can you do for us?
  - What can we do for you?
  - Tips & suggestions for taking it forward:  
who/what/how to influence
- Finish by 11.30



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## Report back and Wrap up



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Thank you!

We'll be in touch – two more of  
these meetings are planned

