



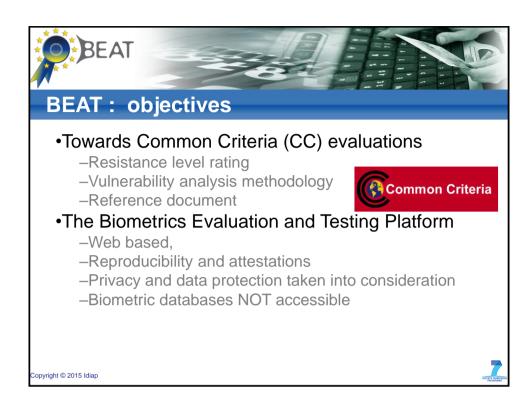
## **BEAT: objectives**

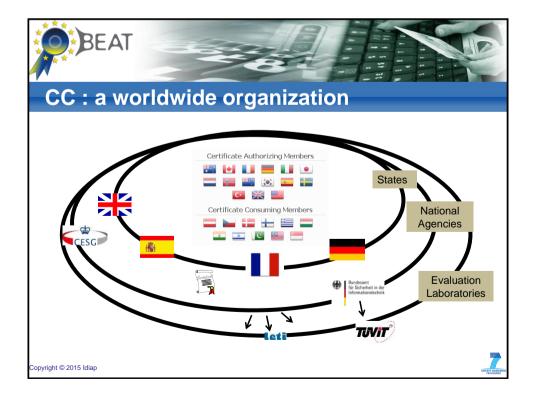
- •To propose a framework of standard operational evaluations for biometric technologies
- •Evaluation of the performance of biometric systems
- •Evaluation of the vulnerabilities of biometric systems
- Evaluation of privacy preservation mechanisms
- Developing standardization documents (certification)
- •Integration and deployment of the BEAT platform
- •Dissemination and exploitation on research activities
- Legal aspects

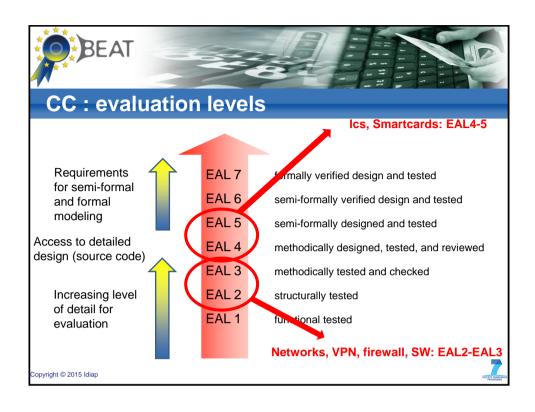
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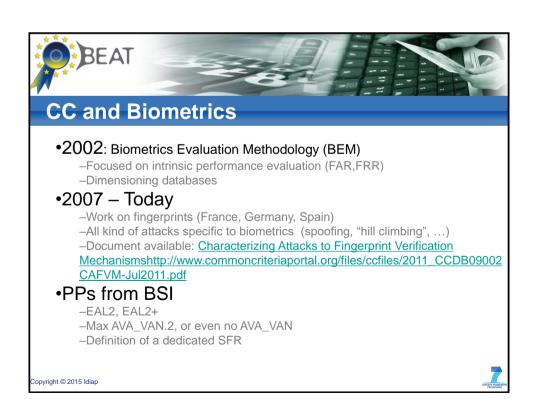


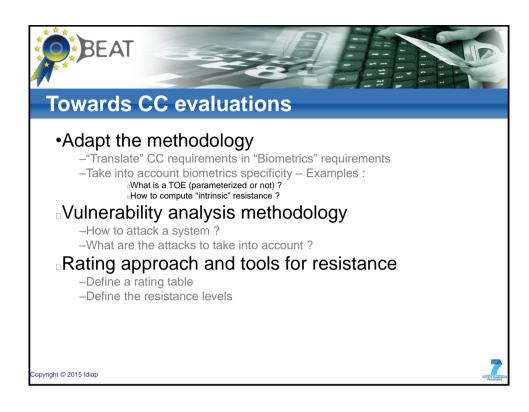
	BEAT	
3 <b>L</b>	AT: Partners  Idiap Research Institute	IDIAP
2	Universidad Autonoma de Madrid	UAM
3	University of Surrey	UNIS
4	Ecole Polytechnique Fédérale de Lausanne	EPFL
5	Informatics and Information Security, Advanced Technologies Research Center	TUBITAK
6	Commissariat à l'énergie atomique et aux énergies alternatives	CEA
7	Morpho	MORPHO
8	TÜV Informationstechnik GmbH	TUVIT
9	Katholieke Universiteit Leuven	KULEUVEN
10	Chalmers University of Technology	CHALMER
	.dvisory Board: BSI (DE), NPL (UK), ANSSI (FR), CCN.U), EAB (NL)	N (SP), BI



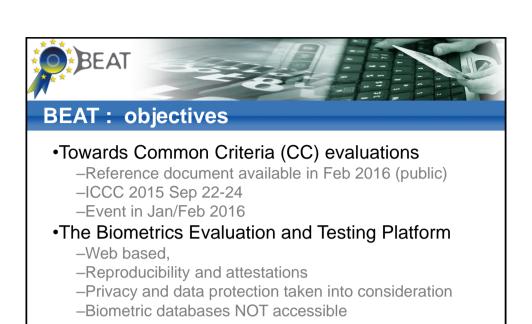








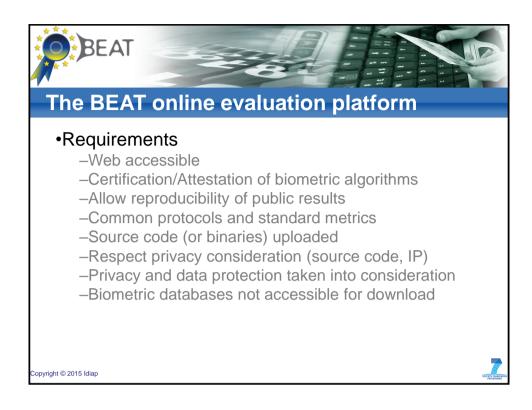
***	Factor	Identification	Exploitation	
	Elapsed Time			1
* WORK	<= one day	0	0	
IN PROGRESS	<= one week	1	2	7
	<= two weeks	2	4	1
	<= one month	4	8	
	>= one month	8	16	
Example	Expertise			
	Layman	0		
	Proficient	2	4	
· Cimple evetem	Expert	4	8	
<ul> <li>Simple system</li> </ul>	Multiple Experts	8	16	
Eingerprint	Knowledge of TOE			
–Fingerprint	Public	0	0 (Not applicable)	
-recognition	Restricted	2	0 (Not applicable)	
-recognition	Sensitive	4	0 (Not applicable)	
–No liveness	Critical	8	0 (Not applicable)	
-detection	Access to the TOE/Window of Opportunity			
-detection	Easy	0	0	
–Simple spoof	Moderate	2	4	
	Difficult	4	8	
–(moulding)	Equipment			
,	Standard	0		
<ul> <li>Simple system</li> </ul>	Specialized	2	4	
• •	Bespoke	4	8	
–Any evaluation	Access to Biometric Characteristics			
*	Easy	0 (Not applicable)		2D face
–will fail	Moderate	0 (Not applicable)	2	Fingerprin
	Difficult	0 (Not applicable)	4	
	Success Rate			
	70% - 100 %	0 (Not applicable)	0	
	30 % - 70 %	0 (Not applicable)	2	
Copyright © 2015 Idiap	< 30%	0 (Not applicable)	4	
Jopyright @ 2010 lolap	Total	0	0 or 2	0-2

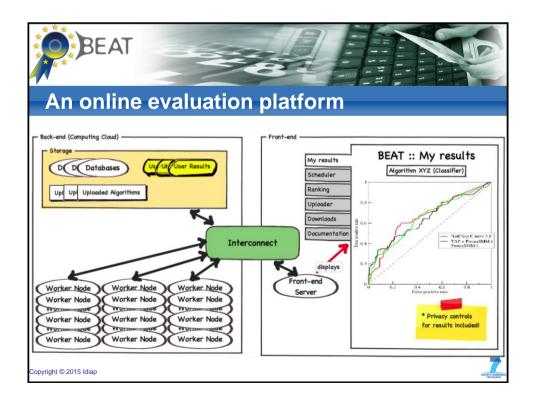


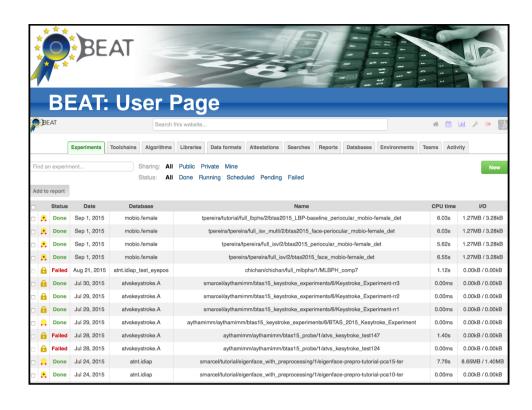
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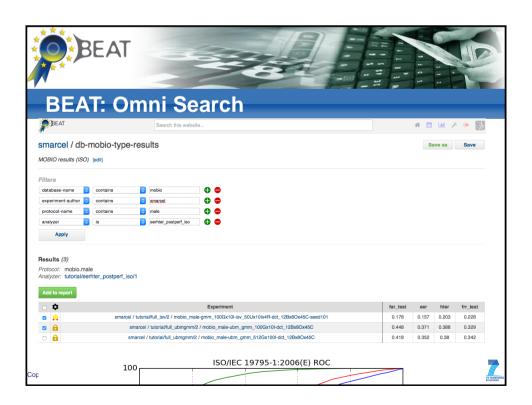
•Goals

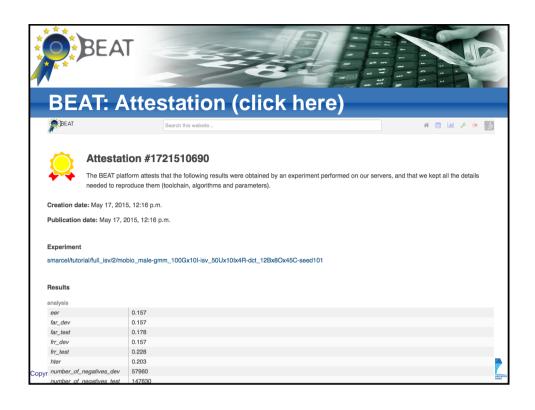
-Benchmarking biometric algorithms (or components)
-Reproducibility of research results
-Educational resource
-Security certification/attestation

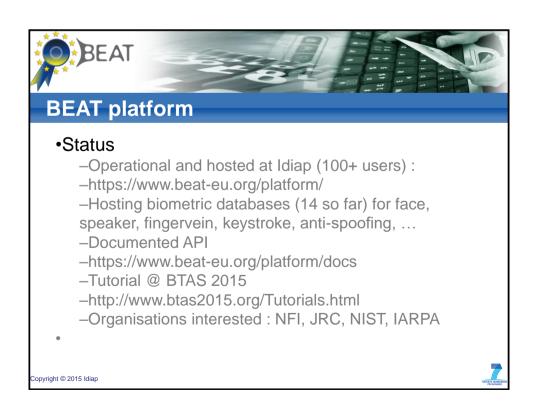


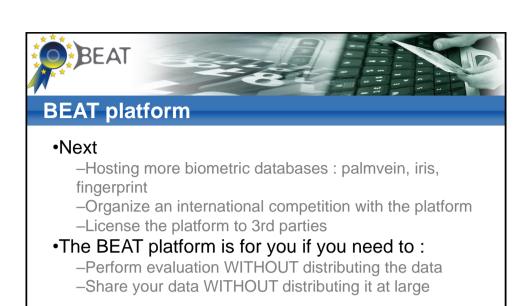












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