

Reunión de la Red ATICA



Universidad de Córdoba, 18 de enero de 2013

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<https://kemlg.upc.edu>



Knowledge Engineering and Machine Learning Group
UNIVERSITAT POLITÈCNICA DE CATALUNYA





Programa

Viernes, 18 de enero de 2013
Universidad de Córdoba
Campus de Rabanales

SpaRCIM

9:30 – 9:35

**Análisis de las potencialidades y futuro de la red:
pasos a seguir (contacto con empresas,
entrevistas con ministerio, etc.) [1ª parte]**

9:30 – 11:30

Pausa Café

11:30 – 12:00

**Análisis de las potencialidades y futuro de la red:
pasos a seguir (contacto con empresas,
entrevistas con ministerio, etc.) [2ª parte]**

12:00 – 13:30

Comida

13:45 – 16:15

Explorando la red

ATICA vista por sí misma, e interpretada
por Ulises Cortés y Miquel Sànchez-Marrè
Granada, Noviembre de 2012



<https://kemlg.upc.edu>



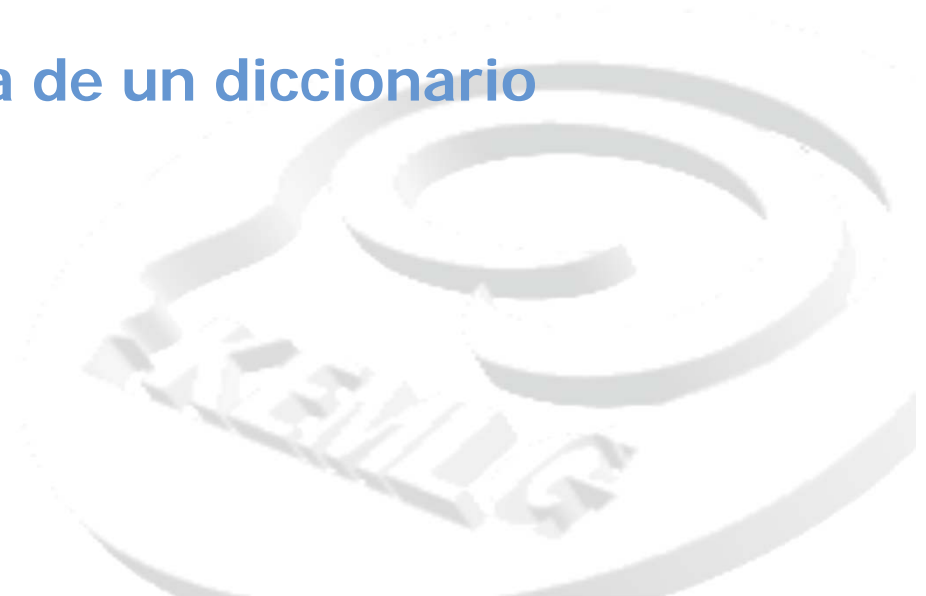
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Muestra

- 27 Grupos
- 88 Fichas (3,25/grupo) [1..4]
- Keywords por ficha 2,44 (moda=3) [1 .. 10]
- **Gran dispersión por falta de un diccionario consensuado**





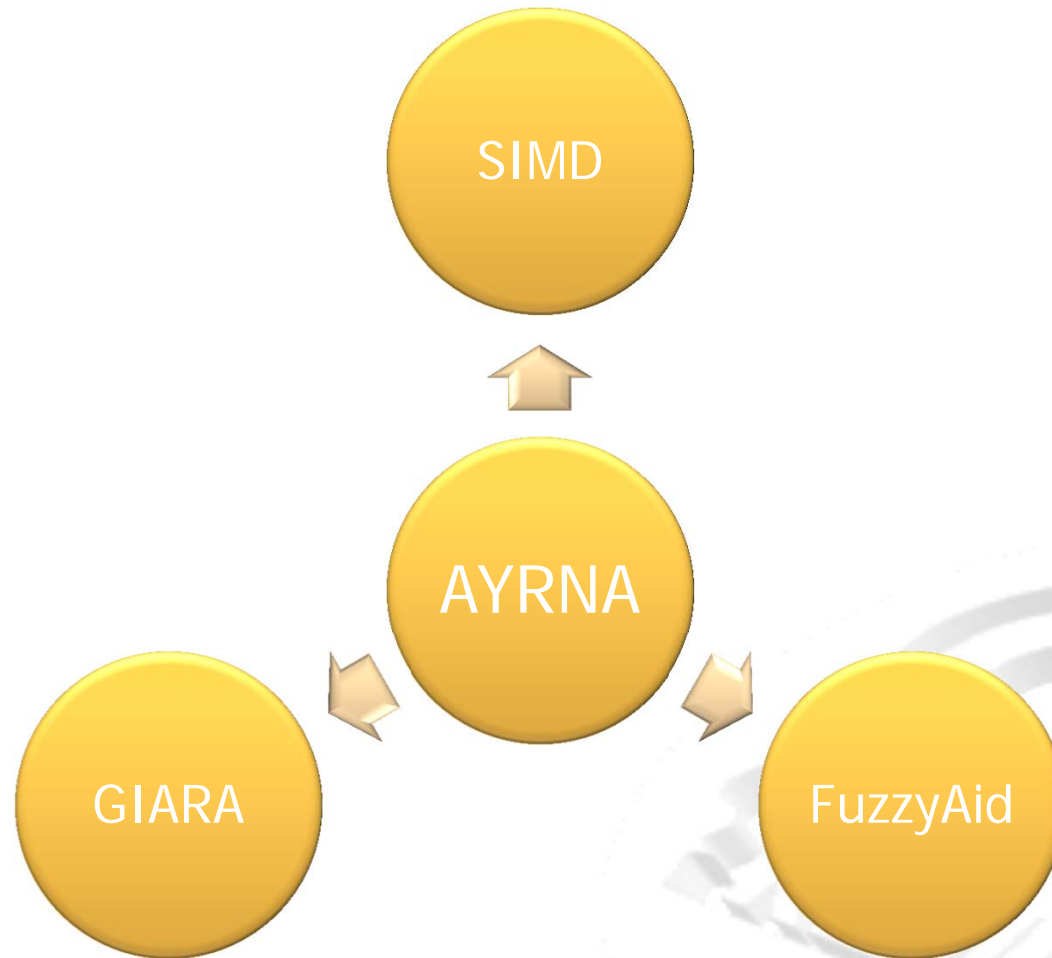
Muestra (2)

Descriptor	Aparición	Descriptor	Aparición
Machine Learning	5	Data Mining	11
Classification	13	Bayesian Networks	6
Artificial Neural Networks	5	Recommender Systems	5
Decision Making	13	Fuzzy Sets	10
Metaheuristics	13		





Agricultura



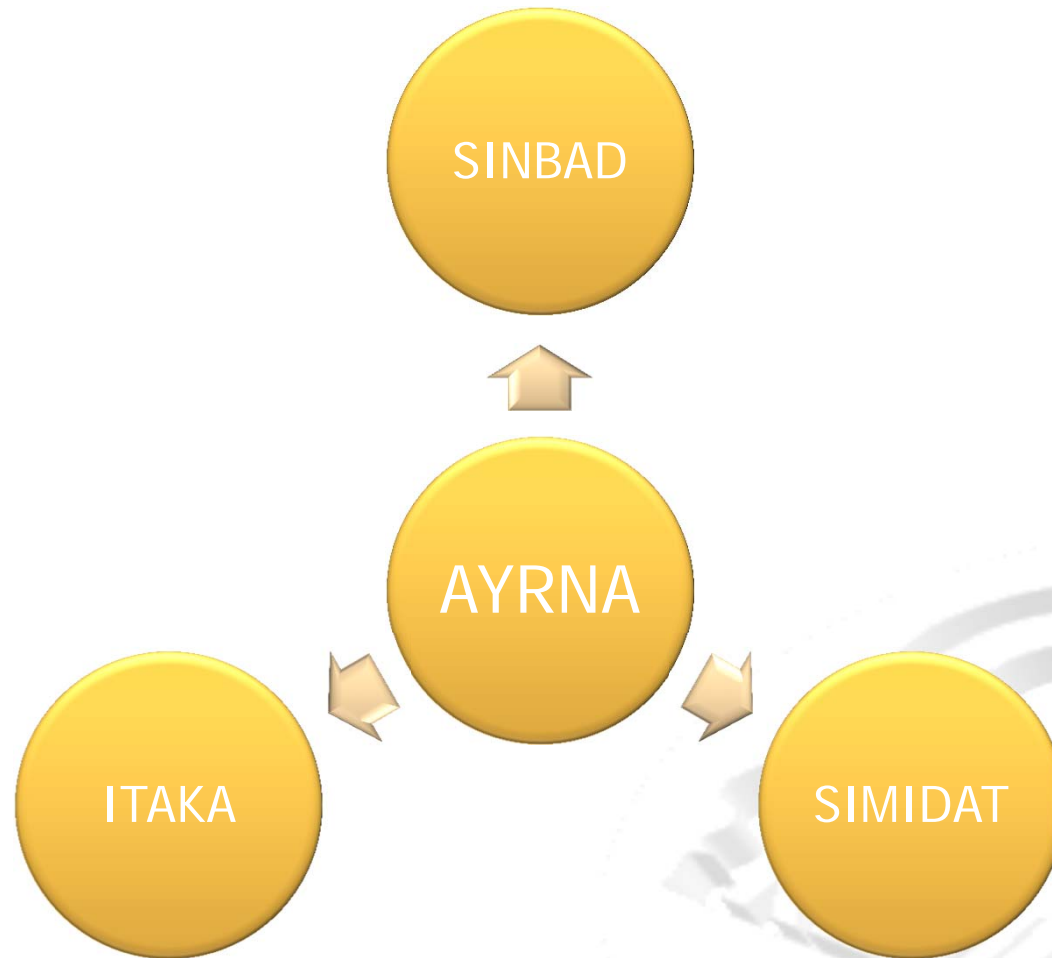


Biología





Economía



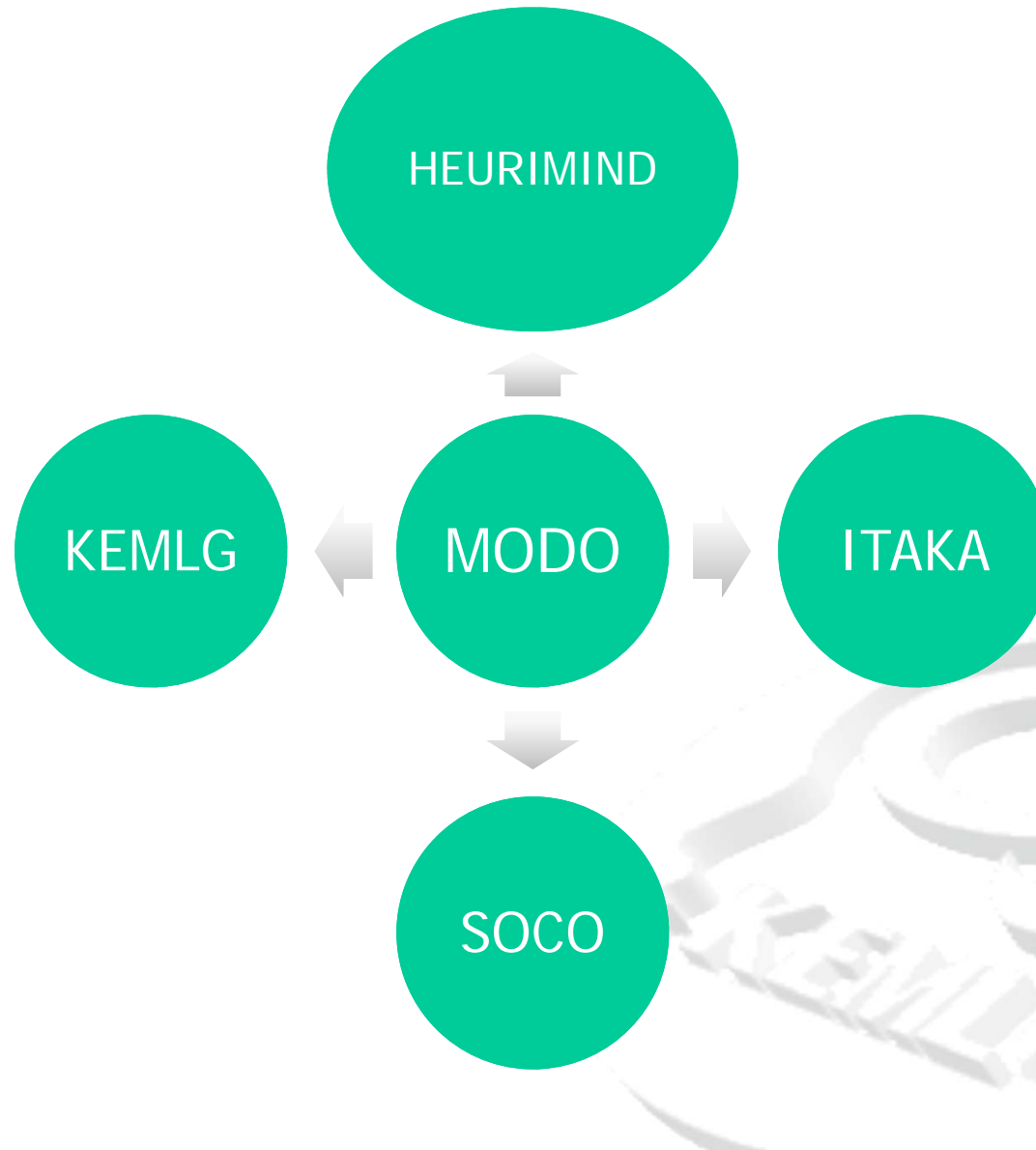


Energía





Ambiente



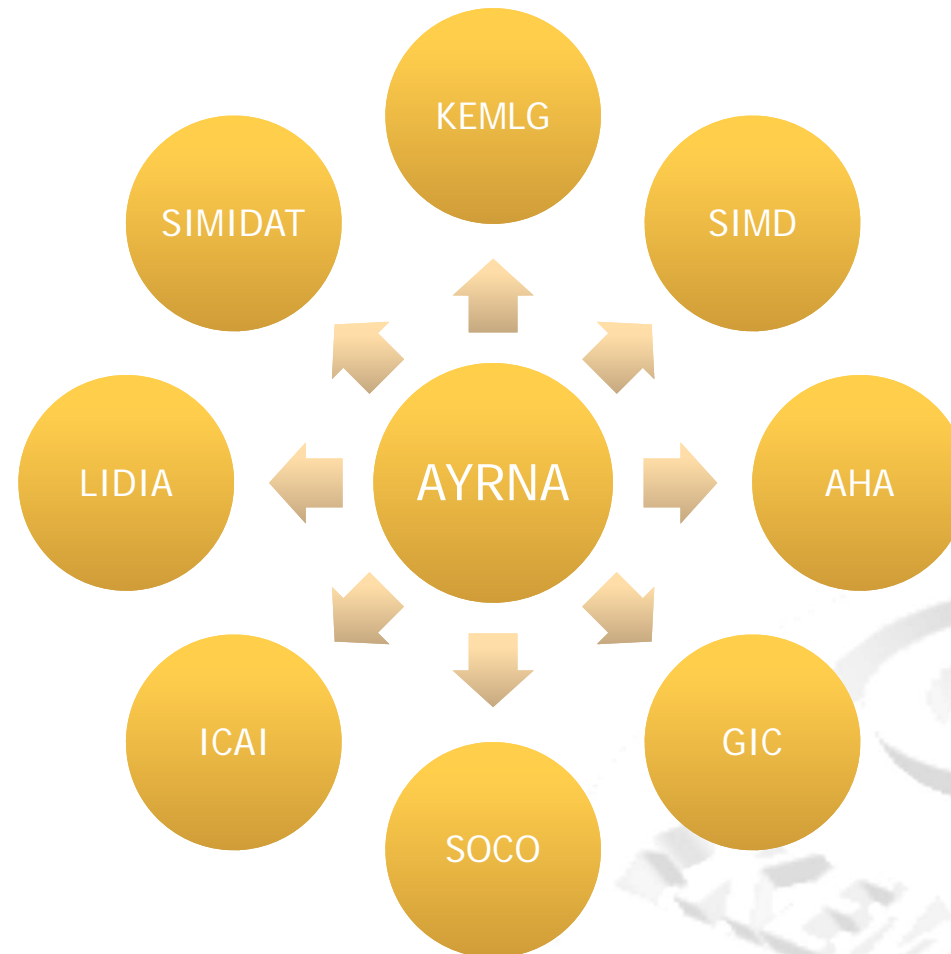


Grupos y keywords

MODO	Environmental	Applicability of Soft Computing in Environment and Technological Areas: Sustainability		Artificial Neural Networks		Metaheuristics	Data Mining	fuzzy system
KEMLG	Environmental	Supervision and control of a Wastewater Treatment Plant				metaheuristics	Data Mining	Fuzzy Control
HEURIMIND	Environmental	EcologicalDynamic Logistics			Intelligent Decision Support Systems	metaheuristics		
HEURIMIND	Environmental	Applicabilityof SoftComputing in Environment and Technological				Metaheuristics	Data Mining	fuzzy system
ITAKA	Environmental	Environmental risk analysis			Decision support systems			
SOCO	Environmental	Origin of faecal pollution in surface water	Classification.					



Medicina





Grupos y Kewords

AYRNA	Medecine	Liver transplantations, Donor-Recipient matching		Supervised Classification	Artificial Neural Networks	Decision-making	Metaheuristics				
GIC	Medecine	Neuroscience							Probabilistic Graphical Models		
KEMLG	Medecine	Neurorehabilitation in traumatic brain injury		Clustering							
KEMLG	Medecine	Assistive Technologies for the Elders				Decision-making					
SIMD	Medecine	Machine learning/Data mining in Medicine		Classification							
AHA	Medecine	Parkinson Disease symptoms identification and quantification									Clustering
SOCO	Medecine	Intelligent decision support for diagnosis in neuro-oncology	Machine Learning			Medical Decision Support Systems					
ICAI	Medecine	Expert System for Electro Cardio Gram		Classification	Artificial Neural Networks						
LIDIA	Medecine	Artificial Intelligence in Medicine. Intelligent Monitoring	Machine Learning							Fuzzy Logic	
SIMIDAT	Medecine	Early diagnosis of Parkinson disease		Classification					Data Mining		
SIMIDAT	Medecine	Data mining in Psychiatry		Classification					Data Mining		

Areas



**MEDICINE &
E-HEALTH**

**BIOINFORMATICS &
COMPUTATIONAL
BIOLOGY**

NEUROSCIENCE

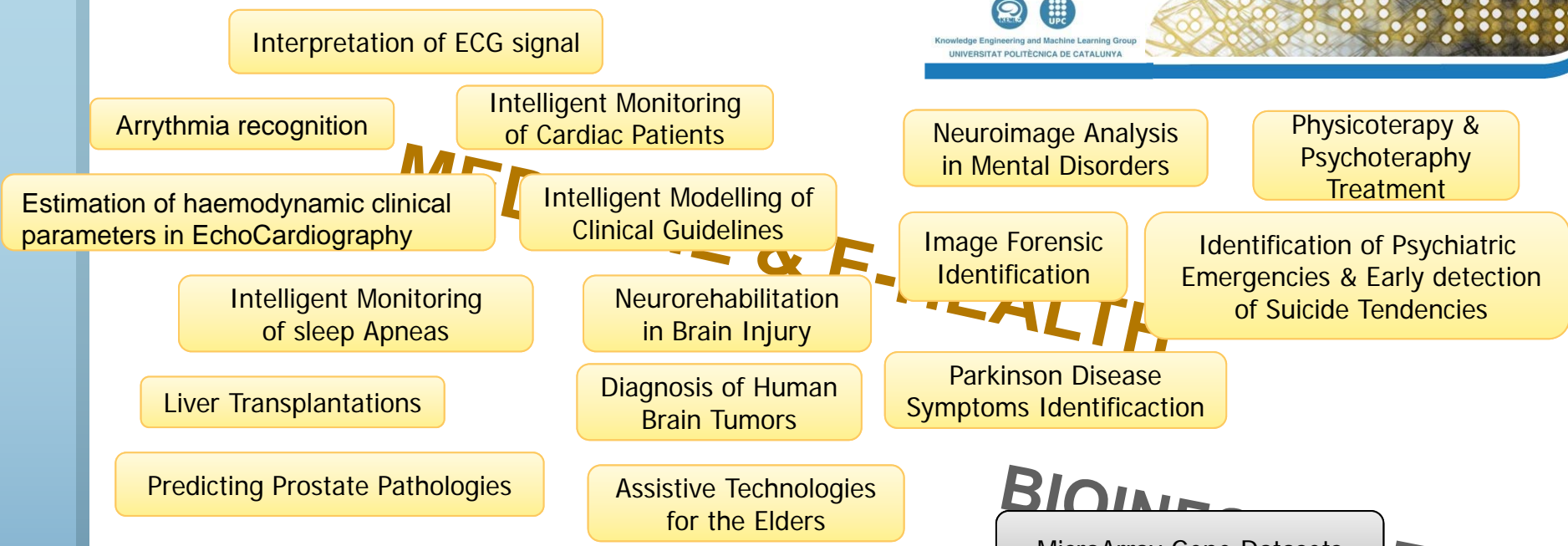
**FORESTRY,
AGRICULTURE
& FARMING**

**ENVIRONMENT, ENERGY,
SUSTAINABILITY &
INDUSTRY**

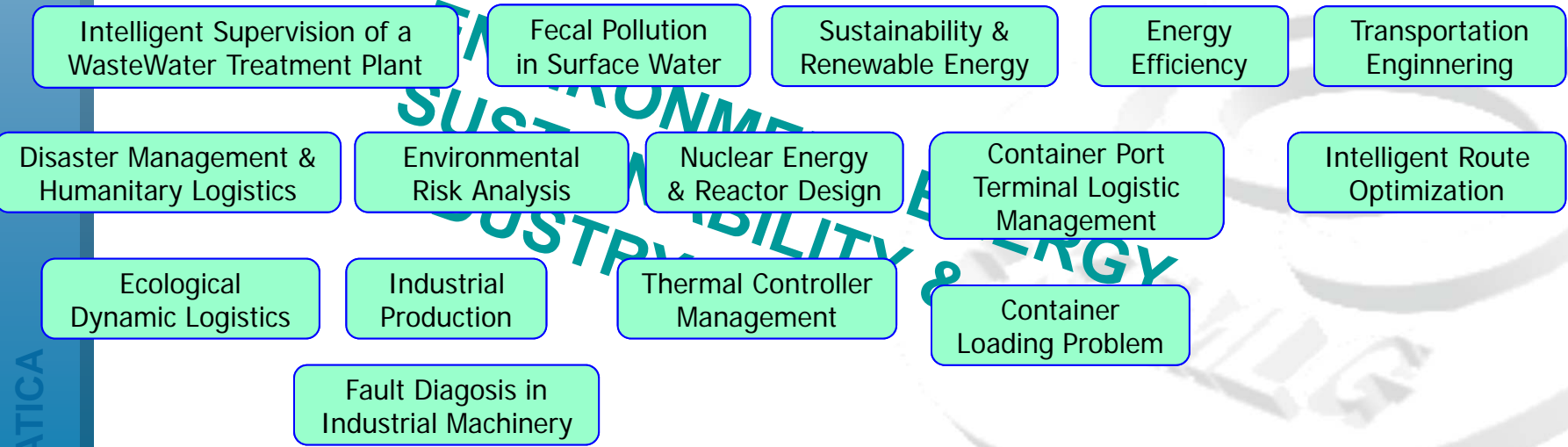
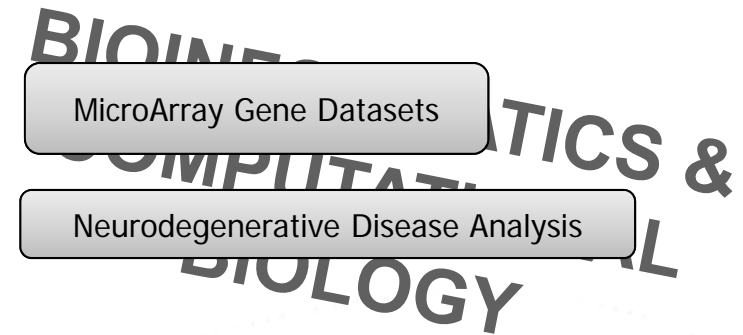
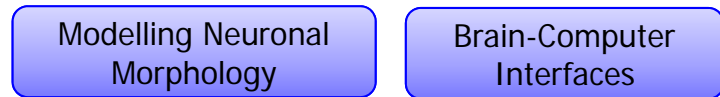
**GAMES, VIDEO & IMAGE
PROCESSING,
WIFI NETWORKS,
ELECTRONICS & ROBOTICS**

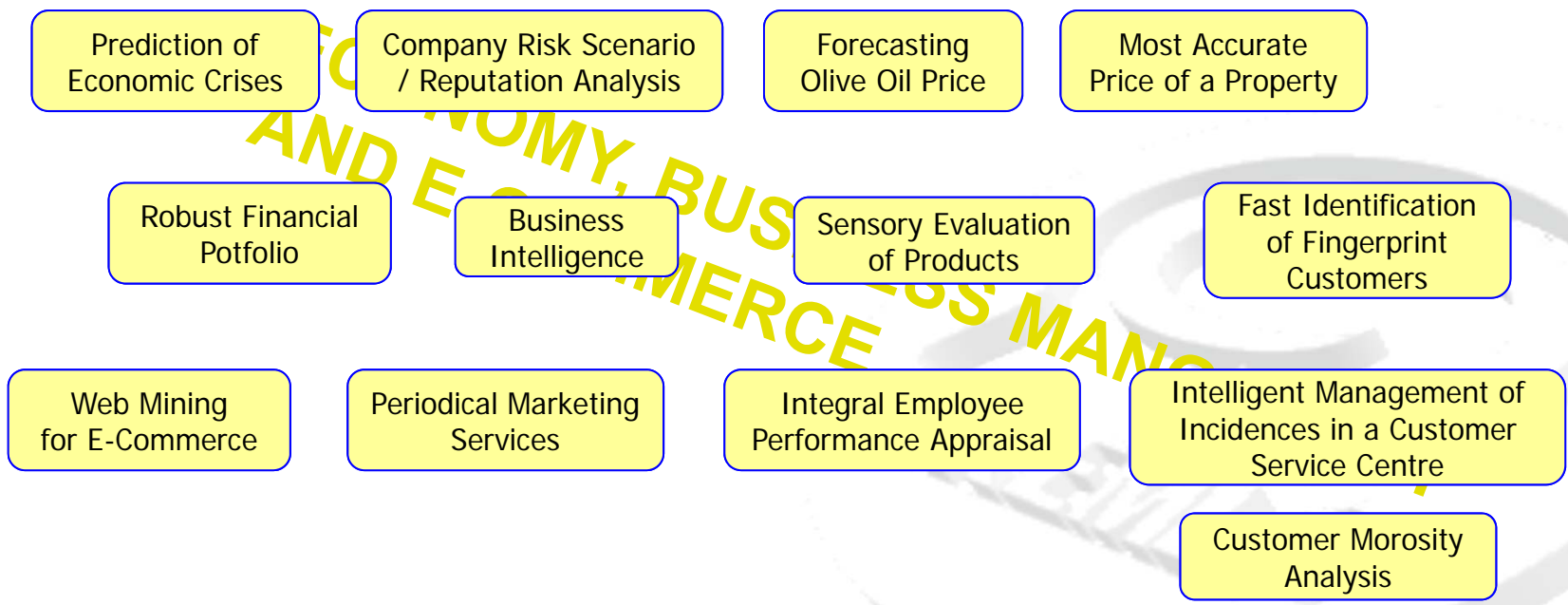
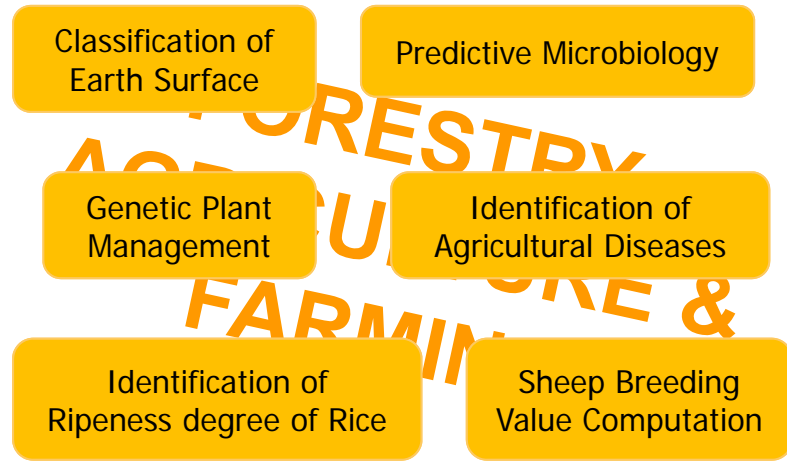
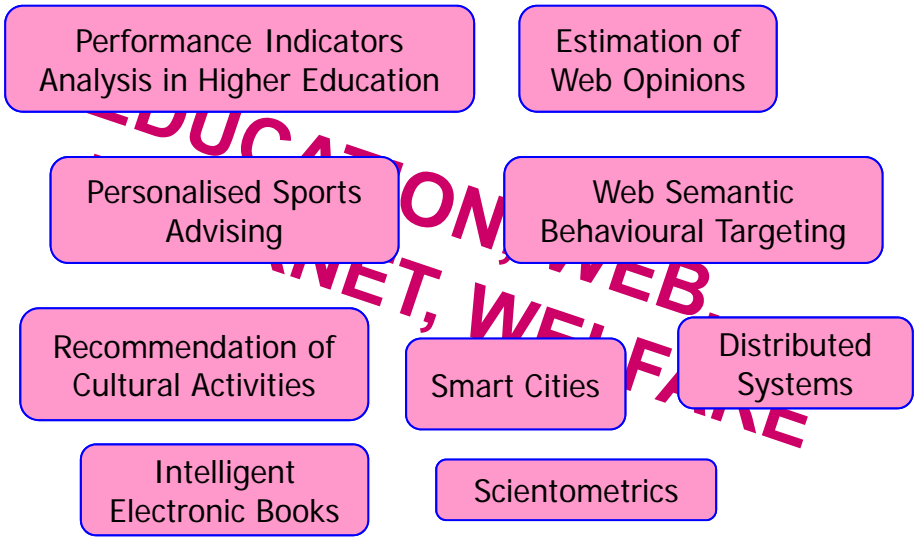
**EDUCATION,
WEB,
INTERNET &
WELFARE**

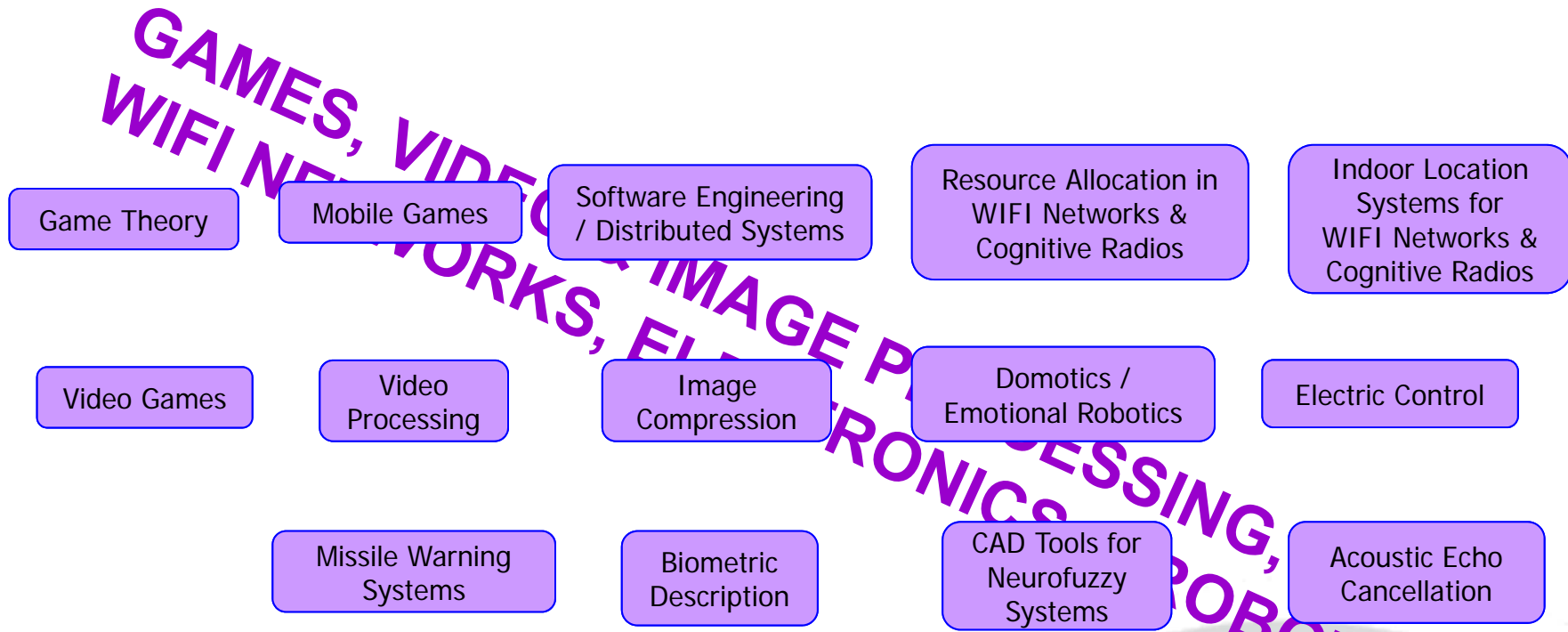
**ECONOMY, BUSINESS
MANAGEMENT
& E-COMMERCE**



NEUROSCIENCE







Keywords



**IMAGE/SIGNAL/PATTERN
PROCESSING, INTELLIGENT
CONTROL**

FUZZY TECHNIQUES

**ANN,
NUMERICAL PREDICTION**

**HUMAN-COMPUTER
INTERACTION**

**PROBABILISTIC
REASONING**

**EVOLUTIONARY
COMPUTATION
OPTIMIZATION,
METAHEURISTICS,
CSP**

**KERNEL METHODS,
CLASSIFICATION,
PREDICTION**

RULE-BASED REASONING

**MACHINE LEARNING,
DATA MINING, CLUSTERING**

**CASE-BASED REASONING
RECOMMENDER SYSTEMS,
(INTELLIGENT)DECISION SUPPORT**

**SEMANTIC
TECHNOLOGIES,
ONTOLOGIES,
COMP. LINGUISTICS**

**AGENT SYSTEMS
& ELECTRONIC
INSTITUTIONS**

Keywords

