

# Information resources..

Proactive Law in the  
Digital Society  
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## Issues

- Information resources
- Definitions
- Changes
- Services
- Issues
- Roadmap
- Conclusion



# Information is a resource

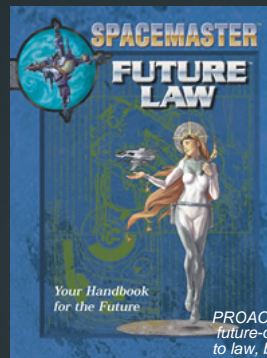
- Required by law (Basel II, Sarbanes-Oxley)
- Represents economical values as derived costs, generated cash flow (from being sold as raw-material, packaged as information-products or included in services) and selected information can on the open market have a great price
- Information Governance is a “new” discipline to identify, understand, manage, control, secure and protect data and information over time
- CIO's gaining new influence from managing and exploiting data and information resources

## Definition

Author	Data	Information	Knowledge
Wiig, 1993		Facts organized to describe a situation or a condition	Truths, expectations, perspectives, judgments, know-how and methodologies
Nonaka & Takeuchi, 1995		A flow of meaningful messages	Rules, laws and expectations created from meaningful messages
Spek & Spijkevet, 1997	Not yet interpreted symbols	Data with a meaning	Ability to assign meaning
Davenport & Prusak, 1998	A number of discrete facts	A message that will change the receivers perception	Experience, values, insights and contextual information
Ougley & Debons, 1999	Text that don't answer questions on specific problems	Text that will answer questions like who?, when?, what?, and where?	Text that will answer questions like why? and How?
Choo, Dettlor & Turnbull, 2000	Facts and messages	Data with an attached meaning	Affirmative and verified assumptions

# Proactive Law - Definition 1(3)

- **Proactive:** controlling a situation by causing something to happen rather than waiting to respond to it after it happens
- **Law:** the collection of rules imposed by authority
- **Proactive Law:** An authority uses the laws to assist and control situations to happen
- **Desired Outcome**
  - Increase citizens ability to understand and abide to laws, rules and regulations
  - Provide citizens with the right public service and support at the right time (automation)
  - Strengthen the democracy and protect citizens freedoms and rights



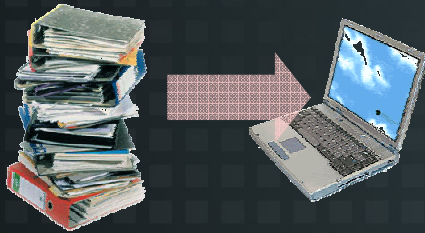
**PROACTIVE LAW:** It is a future-oriented approach to law, based on a strong belief that legal knowledge is at its best when applied before things go wrong

Conference program

Reference definition: [www.hyperdictionary.com](http://www.hyperdictionary.com)

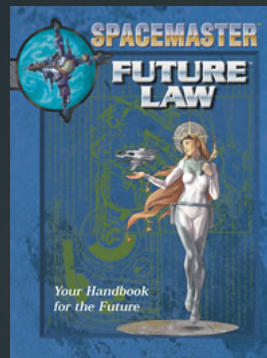
## Proactive Law – Changes 2(3)

- The **CONTENT** within our current laws, rules and regulations:
  - represents our interpretation and knowledge on how to govern, control and sustain a democratic society and
  - it forms the basic framework to protect, serve and support our citizens
- In a **Digital Society** will this knowledge be migrated so it can be managed, controlled and used through computer systems
- Going from paper (where language, layout and media are important) to an information content that can be interpreted by computers (and humans)
  - Terms and definitions supported by standard models
  - Traceable references & links
  - Rules (processes, workflow activities, triggers, restraints, variables, etc)
  - Repetitive rules that can be executed by computers
- Reduce the volume by eliminate redundant, inconsistent, outdated and not-applicable laws and consolidate them with other national and international laws
- Simplify and hide complexity



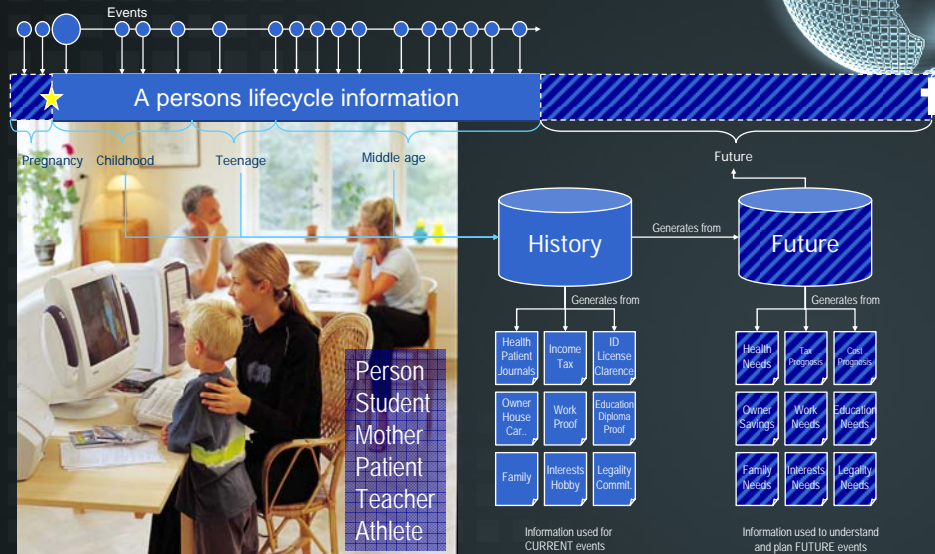
## Proactive Law - Services 3(3)

- Use repetitive and predefined rules to automatically:
  - Better understand citizens needs and activities
  - Classify, control, compare, take decisions and give recommendations
  - Set up individually adapted guides to help and aid physical and legal citizens
- Strengthen the information security

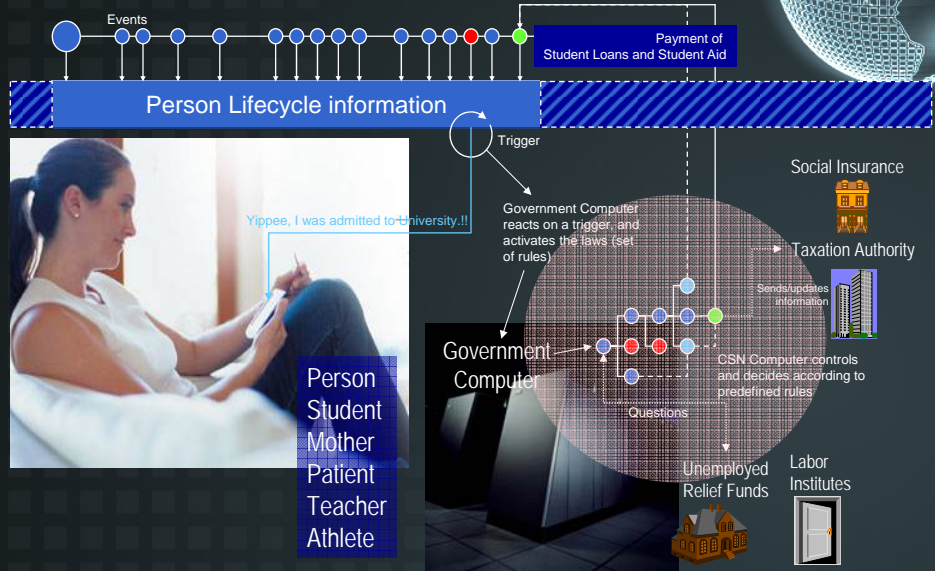


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# Understanding Citizens

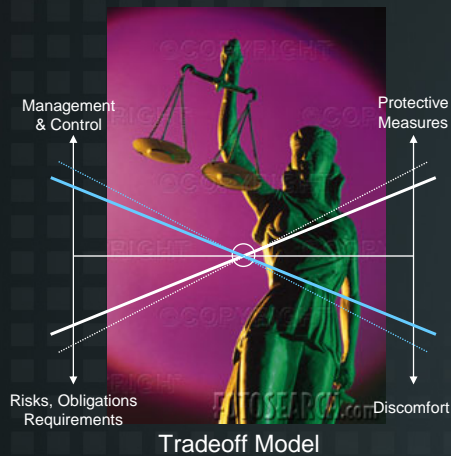


# Automated Services





## Issues - Security & Control.!?



- Proactive Law stipulate by definition that laws will cause something to happen before things have gone wrong
- The Digital Society introduces new risks and vulnerabilities
- It's a trade-off between risks, protective measures, management & control and discomfort
- It's important to understand the human aspect of control and discomfort, in order to
  - Respect the integrity of the individual
  - Trust the Digital Society

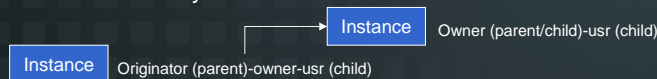
Managing risk by managing information

## Issues - Identification

- Today's IT focus
  - Identification of machines (IP-number)
  - Physical and Legal persons are anonymous
  - Proof of identity isn't regulated and depends on commercial solutions
  - Severe problems with computer crime
  - Integrity is often violated
  - Levels of trust is very low
  - Severe difficulties to write legislation that matches machines with people
- Tomorrow's info focus
  - Identification of physical and legal persons
  - Anonymity is not allowed
  - Proof of identity is clearly regulated and part of the Public Infrastructure
  - Hackers, whackers, pranks and spammers don't identify themselves
  - Integrity can be controlled
  - Levels of trust is high
  - Possible to write legislation for the digital society

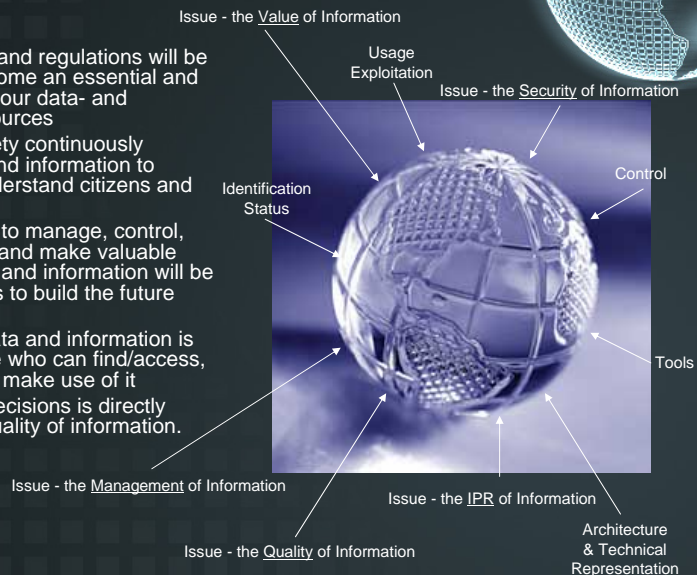
# Issues – IPR Copyrights

- Today
  - Poor control over instances (a movie, music, image, idea, concept, document), and their value chains
    - No traceability
    - Poor identification of Originator, Owner (all or parts of), User/s, Value/s and liabilities
  - Leads to difficulties:
    - In sharing of data and information
    - With information theft (unauthorized usage)
    - In building trust and Information Quality
- Tomorrow
  - Every instance (original and copy of movies, music, images, ideas, concepts and document) is tracked and traced
    - Identification of Originator, Owners, Users
    - Value identified
    - Instances classified
  - Leads to:
    - Means to exploit (create values from) data and information
    - New services, products, relations, efficiencies

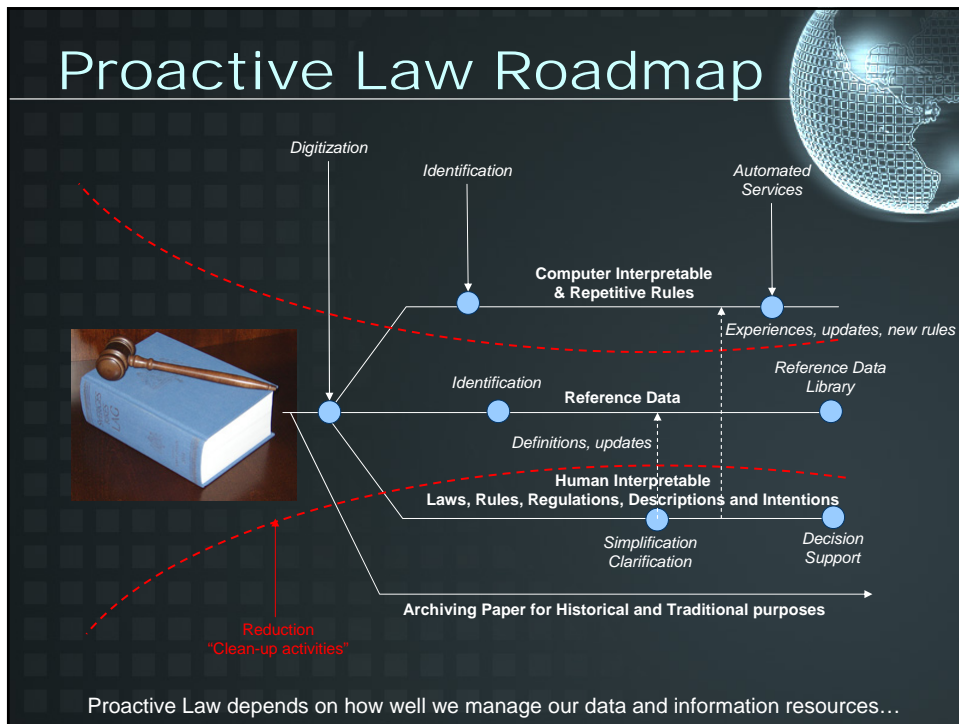


# Issues – it's about information

- Our laws, rules and regulations will be migrated to become an essential and valuable part of our data- and information resources
- The digital society continuously captures data and information to monitor and understand citizens and events
- Our capabilities to manage, control, sustain, secure and make valuable usages of data- and information will be key components to build the future digital society
- Remember – data and information is power, for those who can find/access, understand and make use of it
- The quality of decisions is directly related to the quality of information.



# Proactive Law Roadmap



## Conclusion

- Information resources grows in importance, influences all areas and requires multi-disciplinary support
- The legal community can have a "new renaissance", by being the driving force to:
  - Change the legal focus from IT to Information
  - Migrate the current legacy of laws to core Information Resources (set of rules, data and information) that enable services and support to our citizens
  - Provide an International Infrastructure for secure and trusted identification (PKI)
- **Proactive Law** could be a good program for these initiatives

