

Towards the Policy Aware Web

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REWERSE WG on Policies

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Policy-aware web: Should we care?

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 - No, it's not just about privacy laws
 - It's business

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 - A girl wanted to show her pictures to everybody
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- Usage policies
 - How information is supposed to be used
 - Generalizes both DRM and privacy
 - Not so much *really usable* out there...

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 - Can useful policies be deployed?
- Trust is crucial as well
 - “Is it worth to put some effort on privacy protection?”
 - Any guarantees that a system will keep its promises?

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 - Real policies are simpler than they should be because **proper policy support is lacking**
- Different requirements for different user categories
- **No single policy language will do**

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- Lots of work needed – what is the right approach?
 - Legislative work, raising people's awareness, ...
 - Security in system analysis and design
 - Ex-post comppliance checks / certification
 - Dynamic monitoring and filtering,

Will Semantic Web help?

- Better information management systems?
 - e.g. semantic classification of sensitive information
 - Semantic information filtering
 - High-level specifications rather than ad-hoc programming
- Better documentation / explanation facilities !
 - [Protune's](#) experience

Future work

- More on usable policies
 - Assisted via machine learning techniques?
 - Other semantic techniques?
 - Novel policy management methods?
 - Cover usage specifications
- More on compliance
 - Alignment of enforced policies with published policies
- Laws + accountability
 - The only way of enforcing usage policies?

Conclusions

- Policy-aware approaches may have major impact on web applications
- Is there enough attention outside universities?
 - To *really* novel aspects, I mean
- Still looking for the right approach(es)
 - Any suggestions?