



Web Accessibility Standards

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World Wide Web Consortium (W3C)

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About W3C



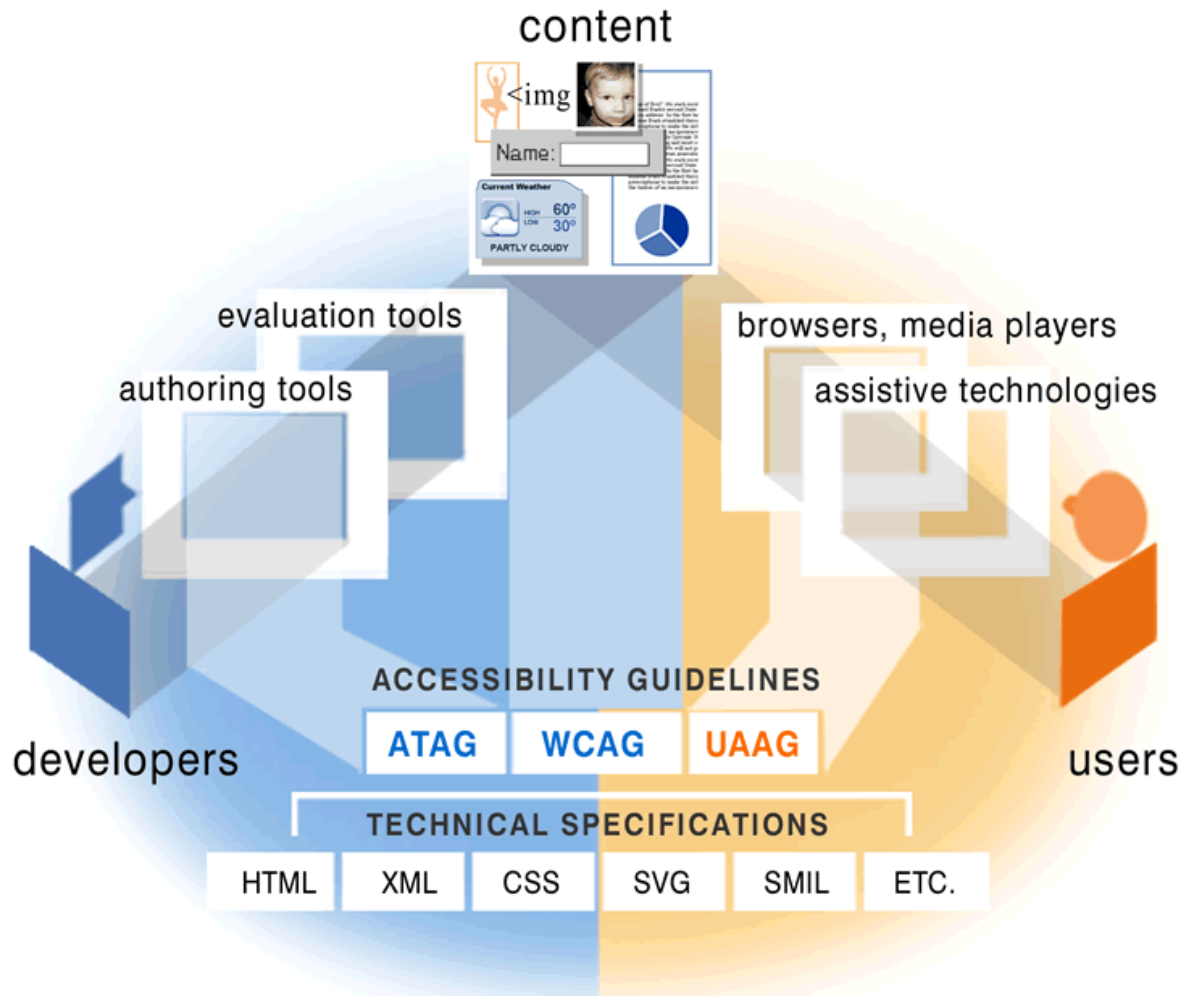
World Wide Web Consortium (W3C):

- Founded by Sir Tim Berners-Lee in 1994
- International, vendor-neutral consortium
- Multi-stakeholder, consensus process
- Develops royalty-free web standards:
 - HTML, CSS, XML, SVG, SMIL, ...
- Hosted MIT, ERCIM, Keio, and Beihang

W3C Web Accessibility Initiative (WAI):

- Ensure accessibility support in W3C technologies
- Evolve guidelines for accessibility implementation
- Develop methods for conformance evaluation
- Develop resources for education and outreach
- Coordinate with research and development
- Pursue standards coordination and harmonization

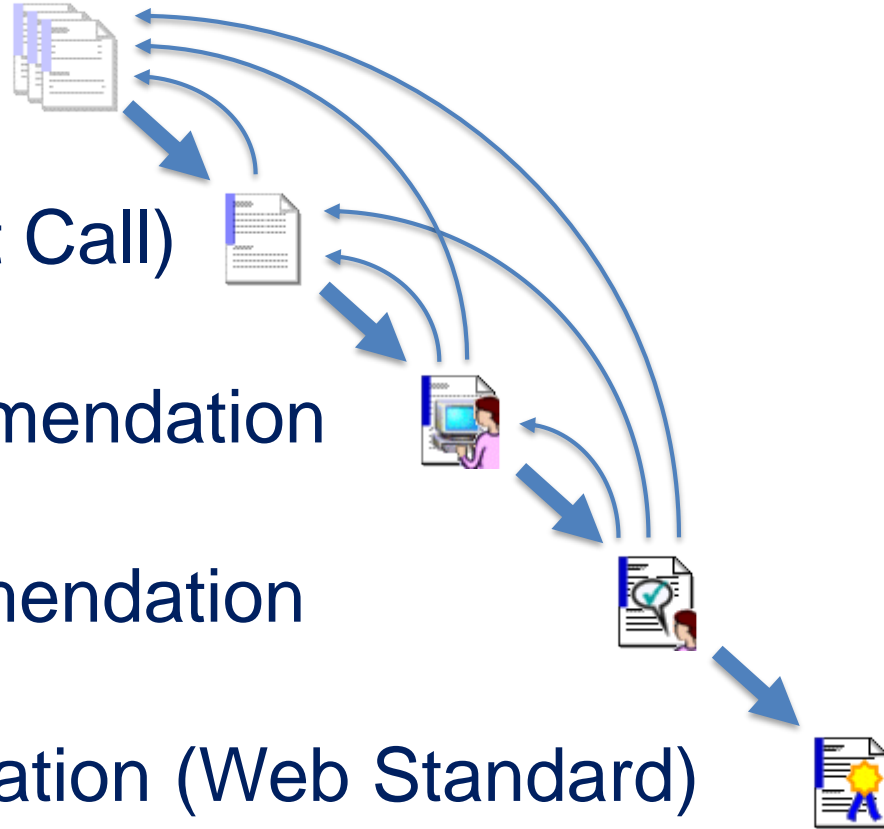
WAI Components



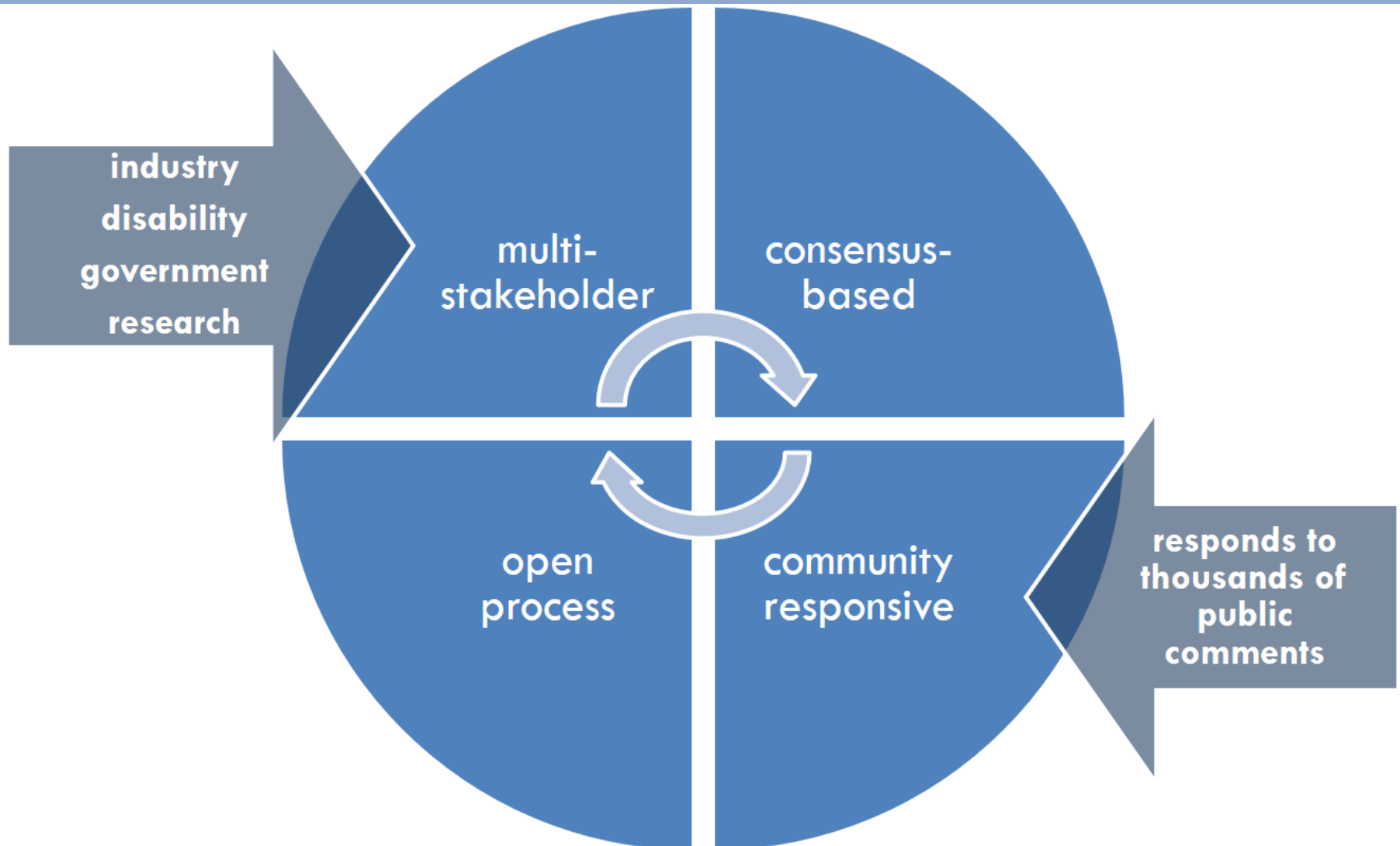
- **Web Content Accessibility Guidelines (WCAG)**
 - Text, forms, graphics, videos, sounds, code, ...
- **Authoring Tool Accessibility Guidelines (ATAG)**
 - Content Management Systems CMS, editors, ...
- **User Agent Accessibility Guidelines (UAAG)**
 - Browsers, media players, and other applications

W3C Process

- Working Draft
- Wide Review (Last Call)
- Candidate Recommendation
- Proposed Recommendation
- W3C Recommendation (Web Standard)



Open Collaboration



W3C Recommendation (December 2008):

- **P**erceivable, **O**perable, **U**nderstandable, **R**obust
- 12 Guidelines, 61 Success Criteria, 3 Levels
- Adopted as ISO 40500, JIS 8341, UNE 139803
- Included in EN 301 549, Section 508 standard
- Referenced in laws and policies internationally:
 - w3.org/WAI/Policy/

W3C Recommendation (June 2018):

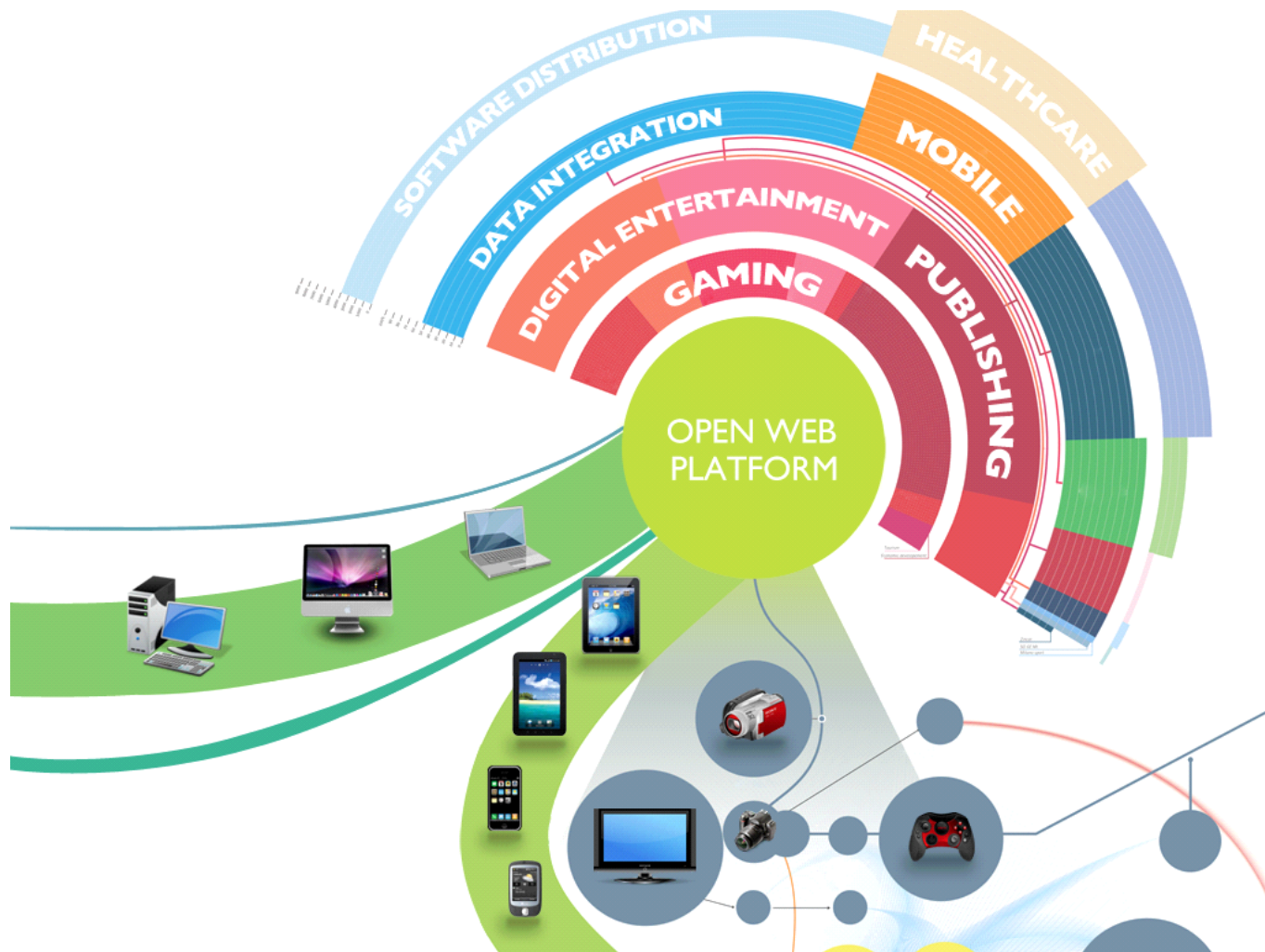
- Fully backward compatible with WCAG 2.0
- Improves access for people with low vision, people with cognitive and learning disabilities, and for people using mobile devices and applications
- Adopted in EN 301 549 (September 2018) for the Web Accessibility Directive (WAD) for public bodies

Guidance on Applying WCAG 2 to Non-Web ICT:

- Non-Web Documents
- Non-Web Software

Supports uses of WCAG 2 in other contexts, such as in Section 508 Technical Standard and in EN 301 549

Converging Web



Mobile Web



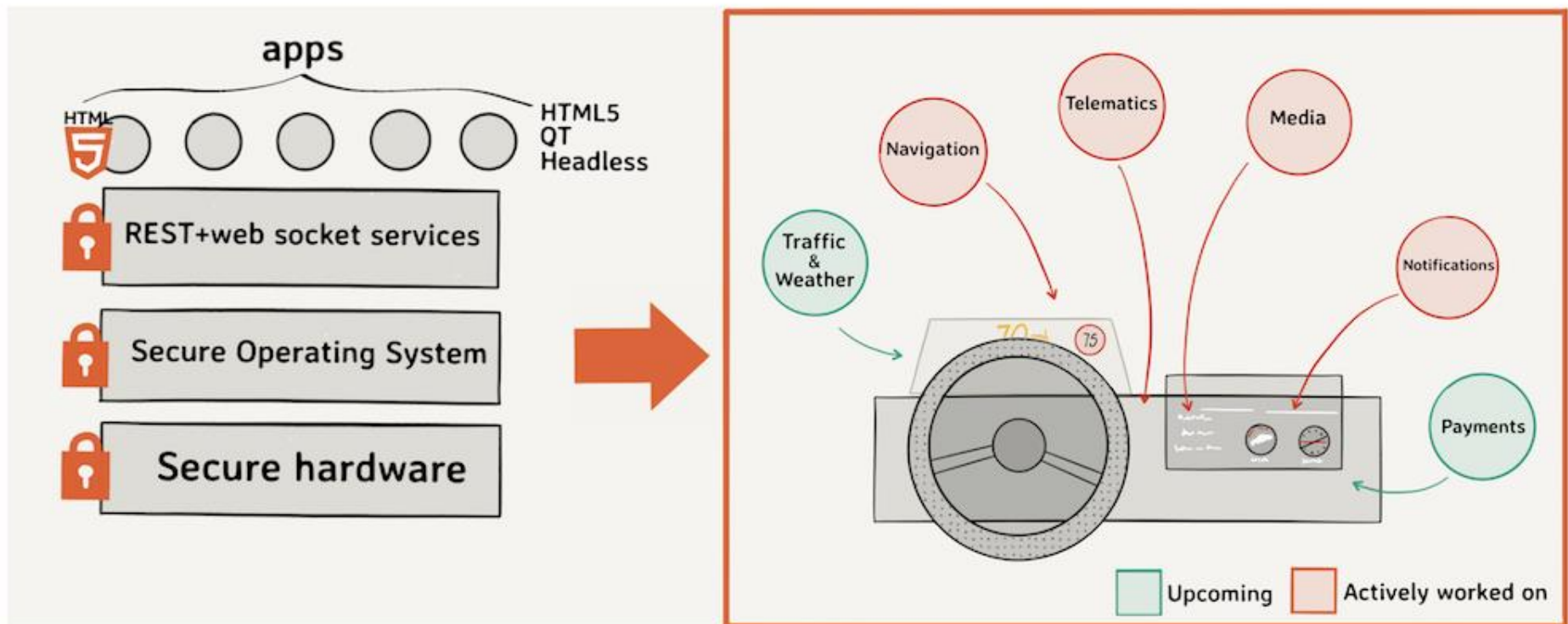
Web Communication



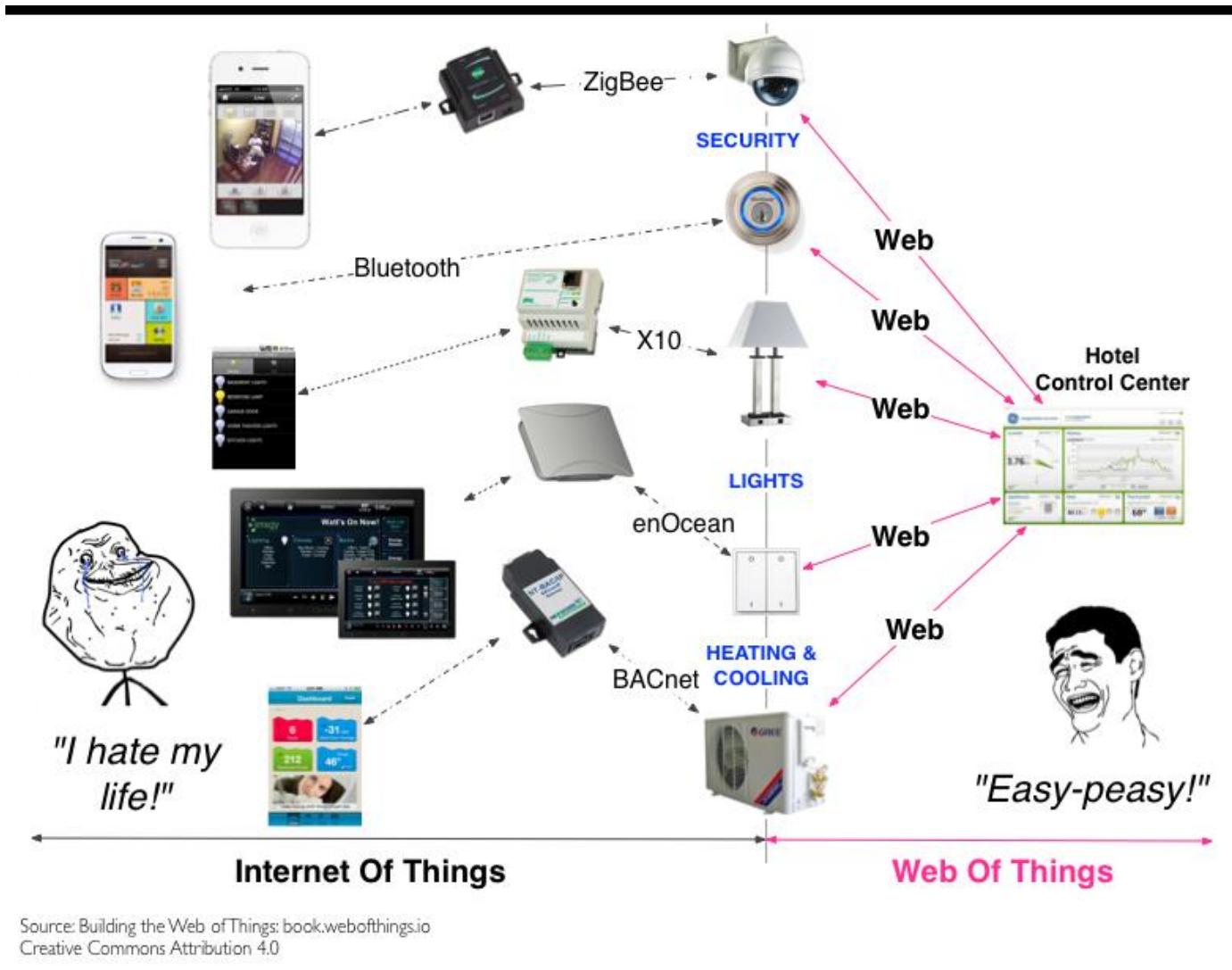
Immersive Web



Automotive Systems



Web of Things (WoT)



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Thank You



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