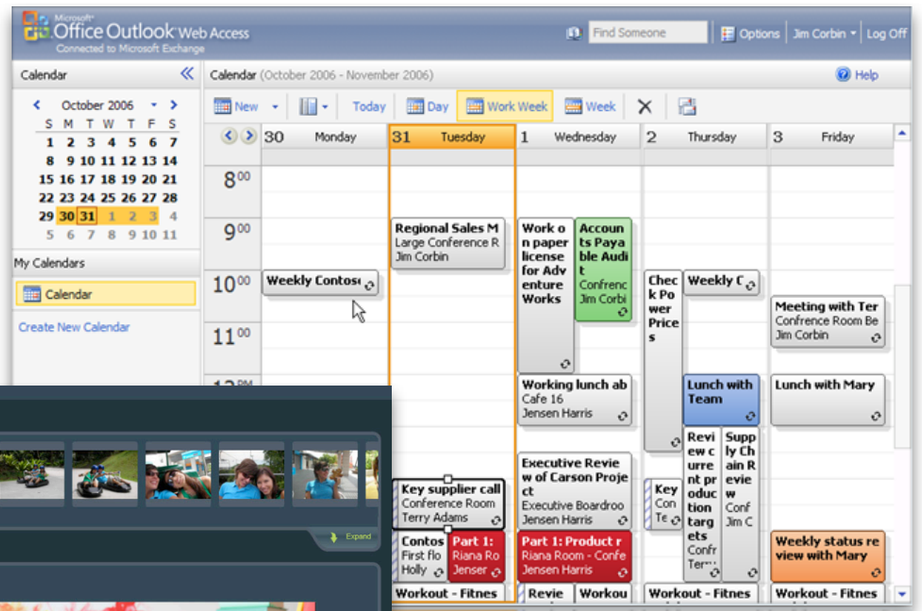
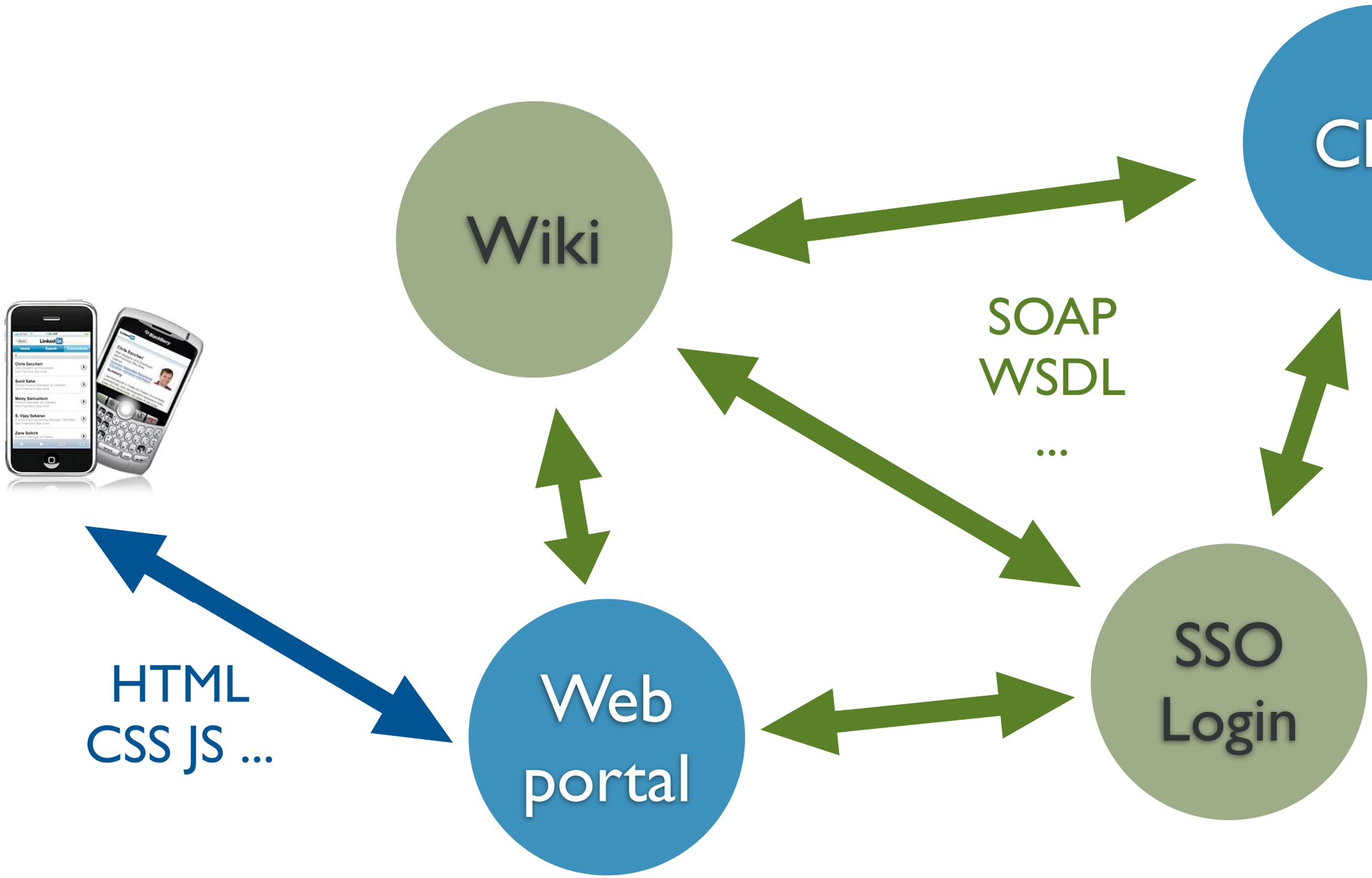
Enforcing application security (and W3C standards)

with MLstate

Web apps provide a universal user interface...



SOA brings power and flexibility...



...but are we ready for the big jump?

Pirates shut down a power plant in Brazil.
They broke in using a web-server vulnerability.

Source: Slashdot, November 2009

How to secure web apps

	Firewalls	Vuln. Scanners	Code Analysis	Opa
monitoring required	yes	yes	no	no
effectiveness	partial	partial	partial	**yes**

Opa (One-Pot Application)

An integrated new web platform

(language + database + web server + framework)

Designed for security

(no buffer overflow, no SQL injection, no XSS attacks)

Developper friendly

(knowing OPA & HMTL is enough, no security guru required)

What the OPA compiler does for you (among other things)

Strong high-level type checking

URL and data parsing (see TRX paper at ESOP'2010)

Client (JS) & server (bin) code generation

Native database support

(handles arbitrary data-structures, with versioning control)

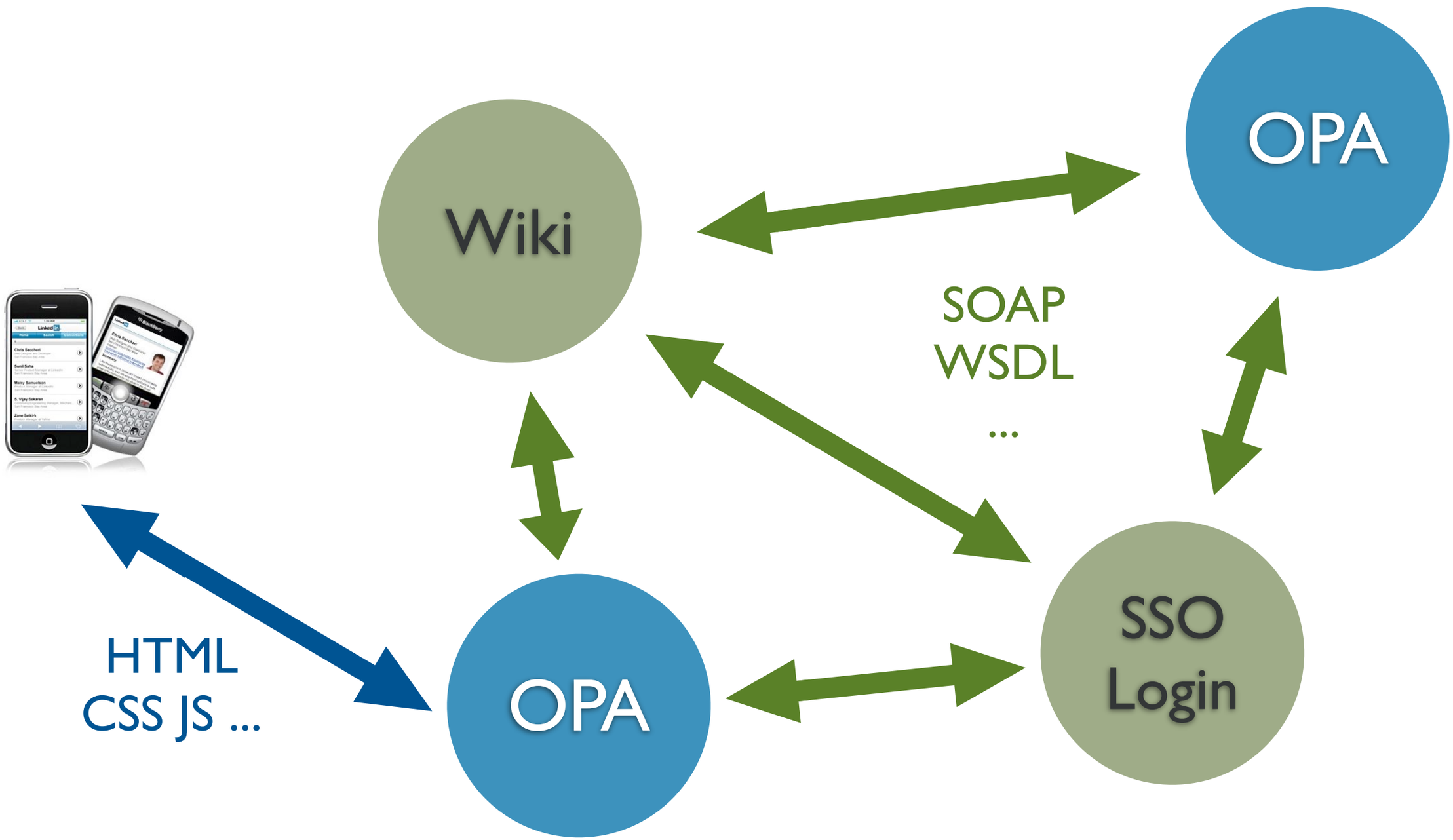
MLstate

Strong R&D team (9 PhDs + engineers + PhD students + etc.) in Paris

Willing to make the Web benefit from the latest research in logics and programming languages

OPA is ready to make SOA come true

in a secure way, within W3C standards



Learn more

W3C Contact

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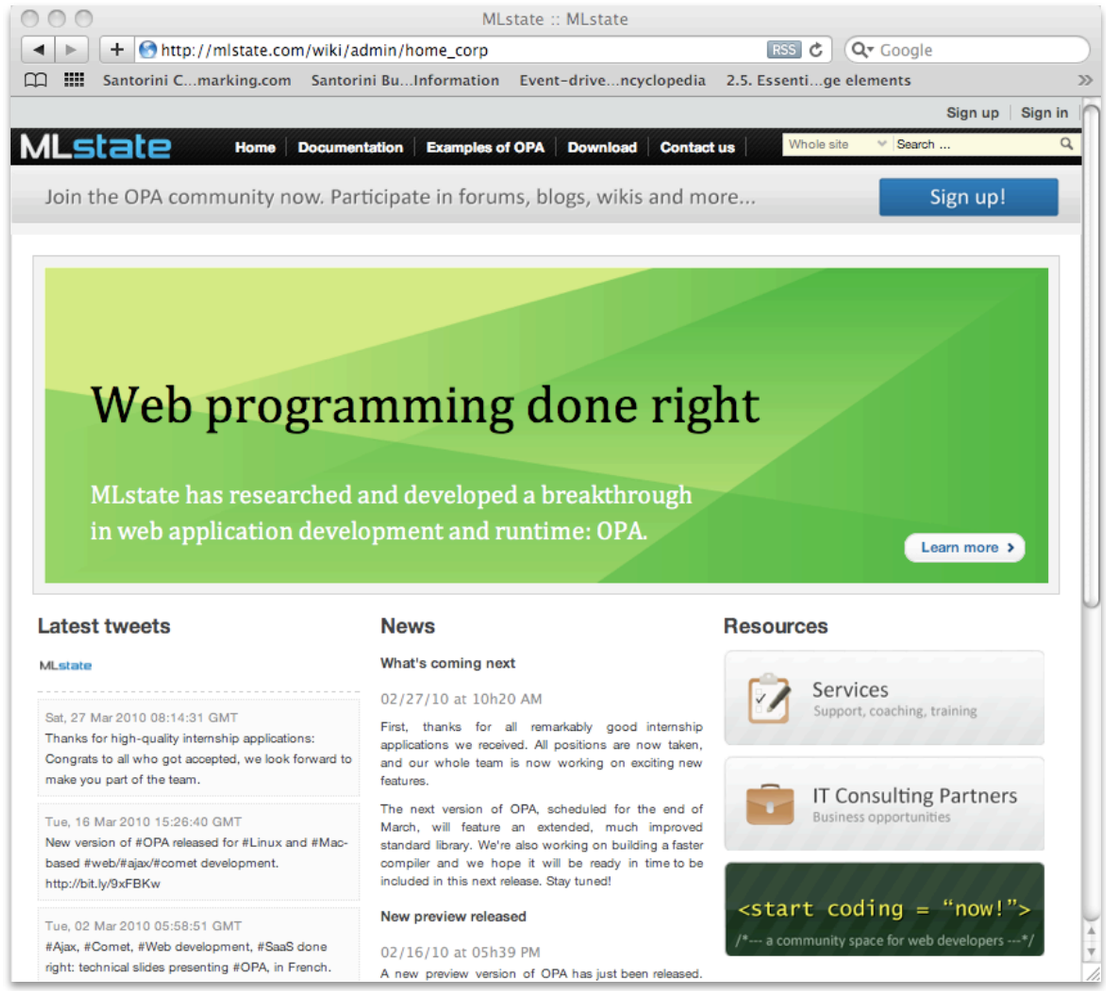

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