

PRISM

-PERSONALIZED REAL-TIME INFORMATION WITH SECURITY MAP-

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Security Information Service



Online service providing incident information for citizens

- Promote citizen's self-protection for security and safety
- Typically distributed by ICT media (e-mail, Web)

Violence incident

On 7:30, June 2nd, an instance of violence occurred near Kobe Sannomiya-station. The suspect is a young man around 25-30 years old, ran away to east....

Online incident report



Security map

Problem in Conventional Services

- “One-for-all” information
- Tend to miss important information

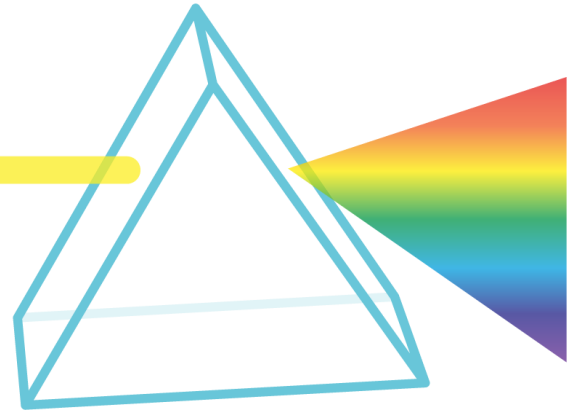
PRISM (Personalized Real-time Information with Security Map)



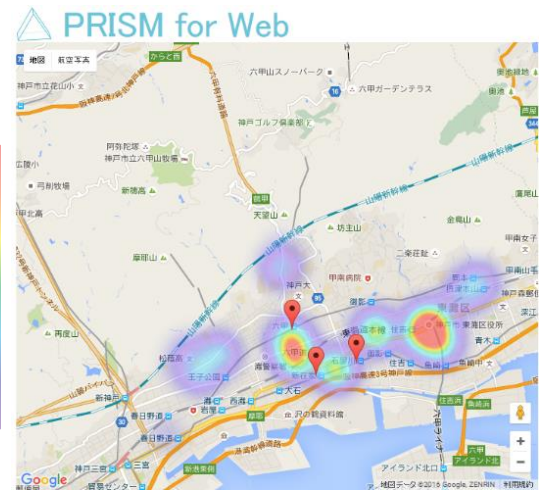
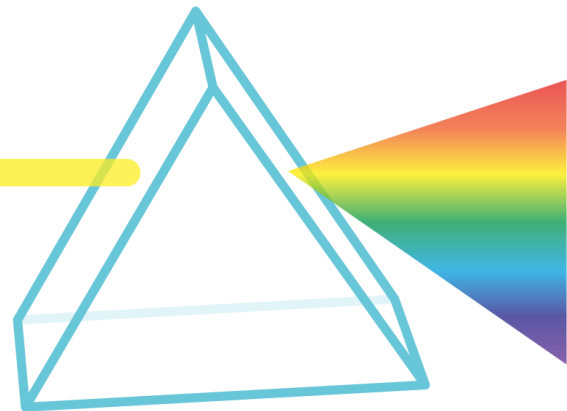
A new security information service that can

- **Personalize** incident information by **living area** of individuals
- Compute **severity** from distance and time
- Visualize on **heat map**

Violence incident
On 7:30, June 2nd, an instance of violence occurred near Kobe Sannomiya-station...



	Alert
	Warning
	Notice

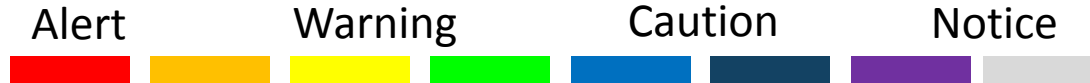


Severity of Incidents

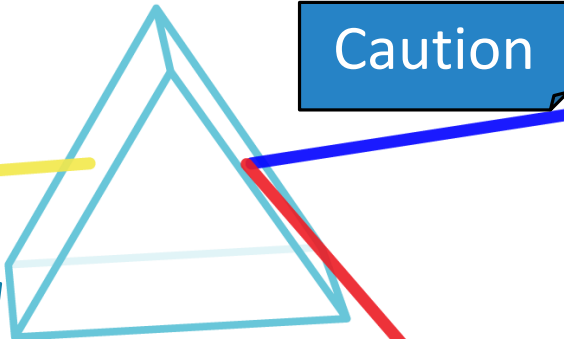


Degree of how the incident is serious for a user

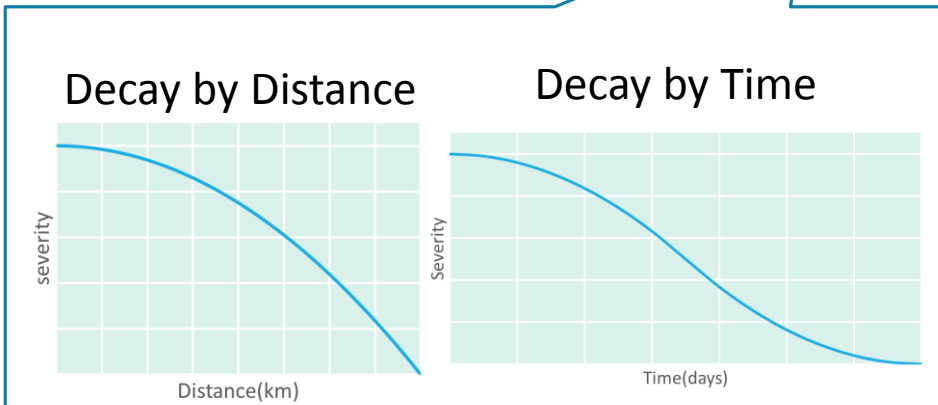
- Closer and newer incidents are more severe



Violence incident
On 7:30, June 2nd, an instance of violence occurred near Kobe Sannomiya-station...

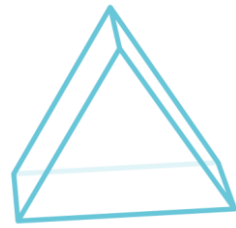


Kagawa
Living far from sannomiya

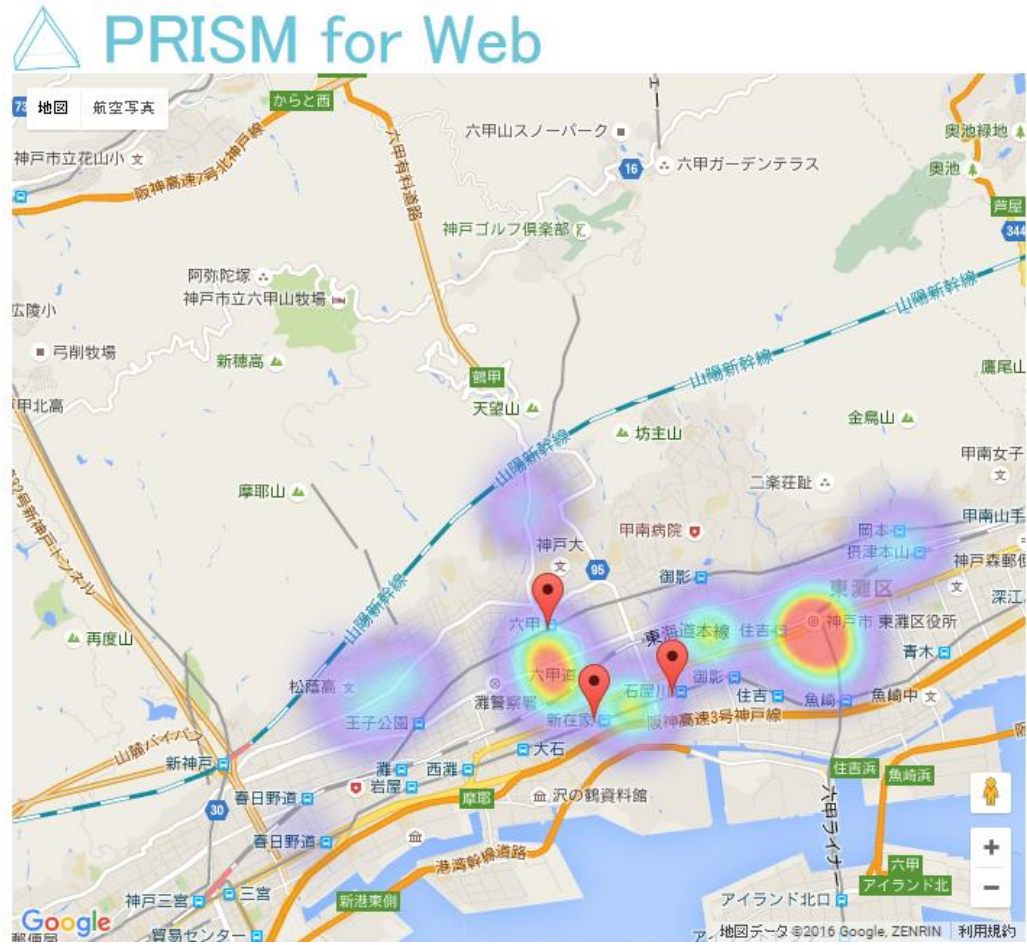


Wada
Living near Sannomiya

Demonstration



PRISM

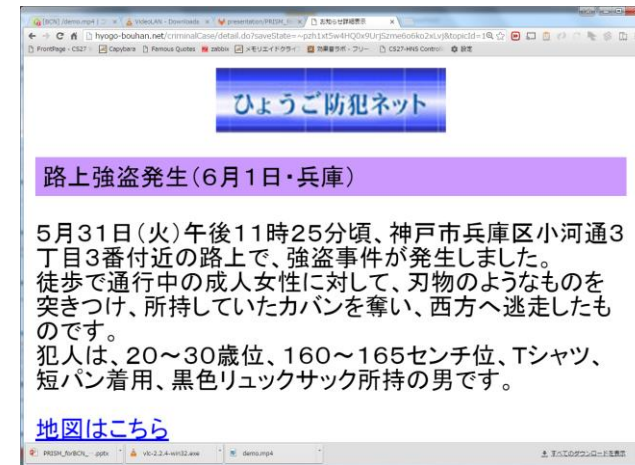


Using Open Data



Hyogo Bouhan Net (Hyogo Prefecture Police)

- Online incident report by e-mail and Web
- Unstructured text in HTML
- PRISM applies text-mining and stores in DB
 - [Date, Time, Location, Address, Title, Contents]
- Use structured incident data for service



Institution Open Data (Kobe City)

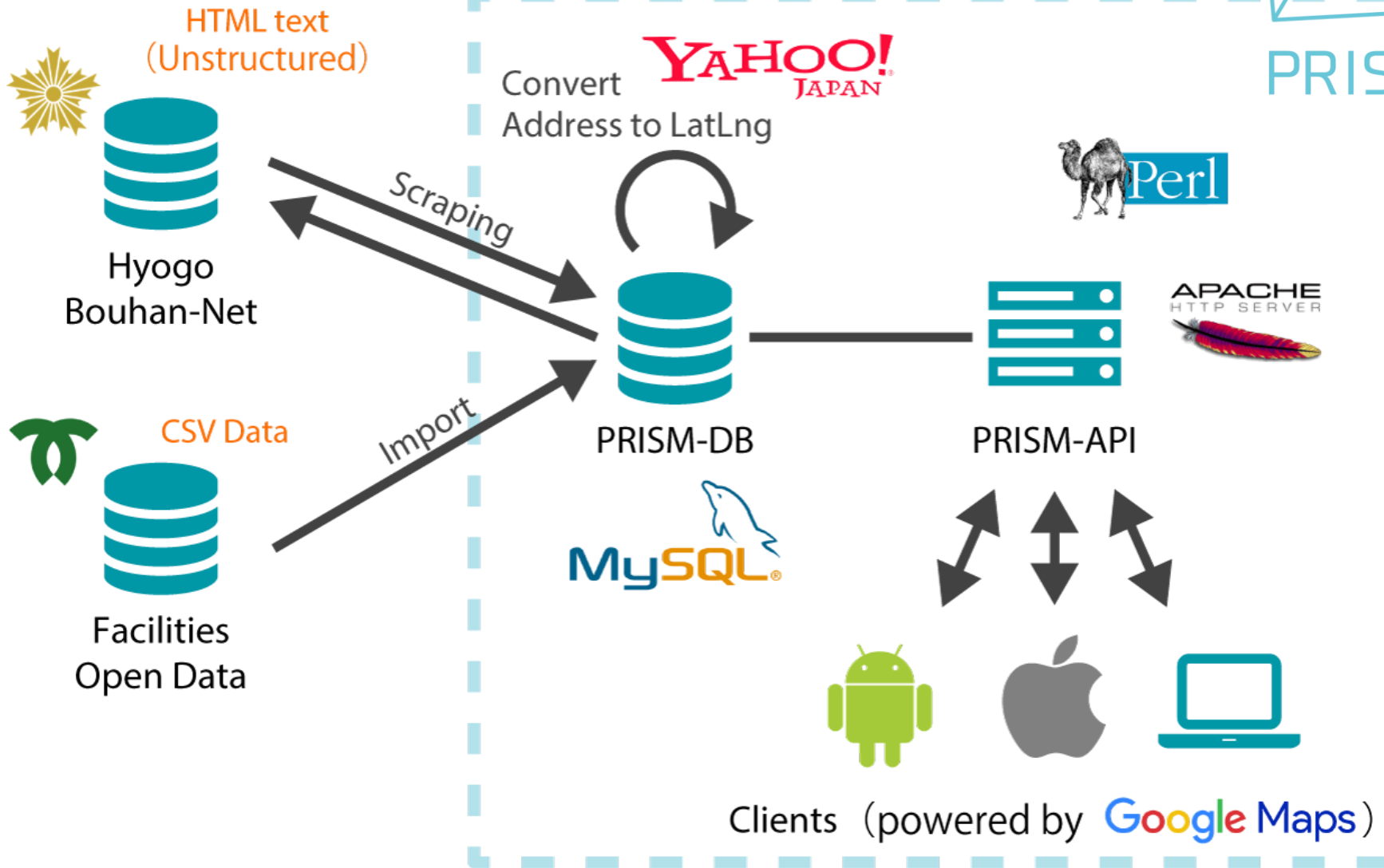
- Fact data of public buildings in Kobe
 - [Name, Address, Lat, Lng, Type, Ward]
- PRISM imports CSV data in DB
- Use as landmarks for user's living area



System Architecture



PRISM



Conclusion



We present a new security information service PRISM

- Personalized **R**eal-time **I**nformation with **S**ecurity **M**ap
- Information is personalized by living area of individual users
- Based on severity, real-time incidents are visualized on a heat map

Personal and real-time adaptation can add much values to open data

Try PRISM now !!

- Web: <http://goo.gl/bDKejx>
- Android: Scan this QR-code

