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Flagship project conclusions:

e-Rules

- **→**Are technically feasible.
- **→**Justified.
- →Acceptable by the shipping industry.

EDI, XML, UML, E-forms, Internet & Web services, communication etc.



Market requirements

Vessel Masters require:

- → automation in preparation of paperwork (forms certificates etc.)
- → reminders on tasks to be performed

Vessel Managers and operators require:

- → To be alerted in the case of non compliance
- **→** Assistance to mitigate the non compliance

Inspection Authorities require:

- → Information about the compliance status of each vessel
- → Alerts on non compliances for immediate action

Ruling Bodies require:

- → Conflict alerts for new or existing rules/regulations
- → Information about the compliance status of each vessel





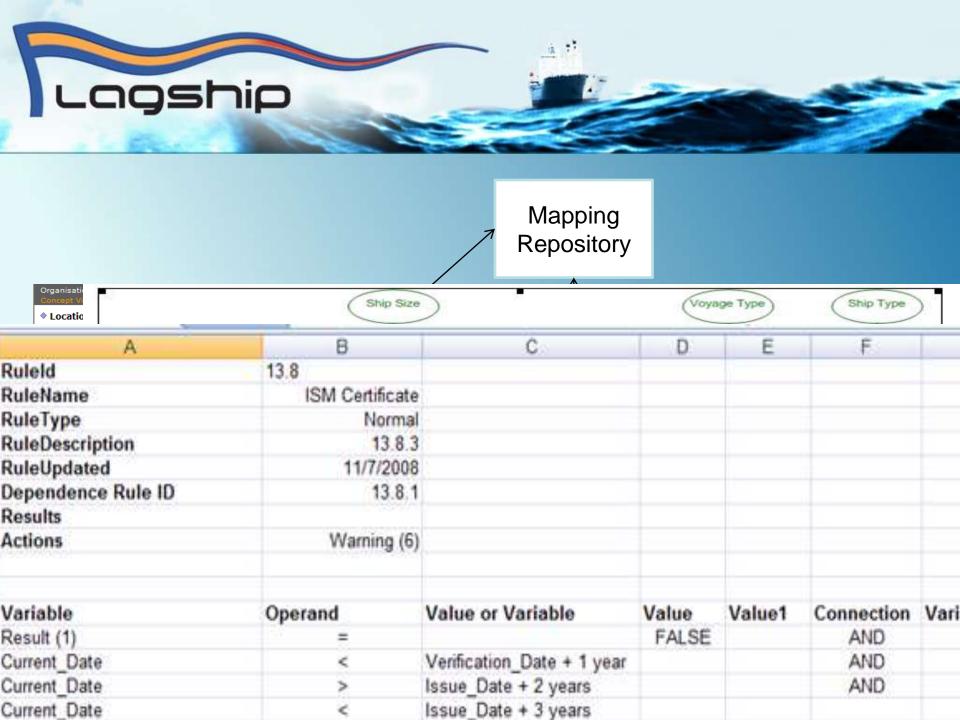
Sub-project B5: Rule compliance



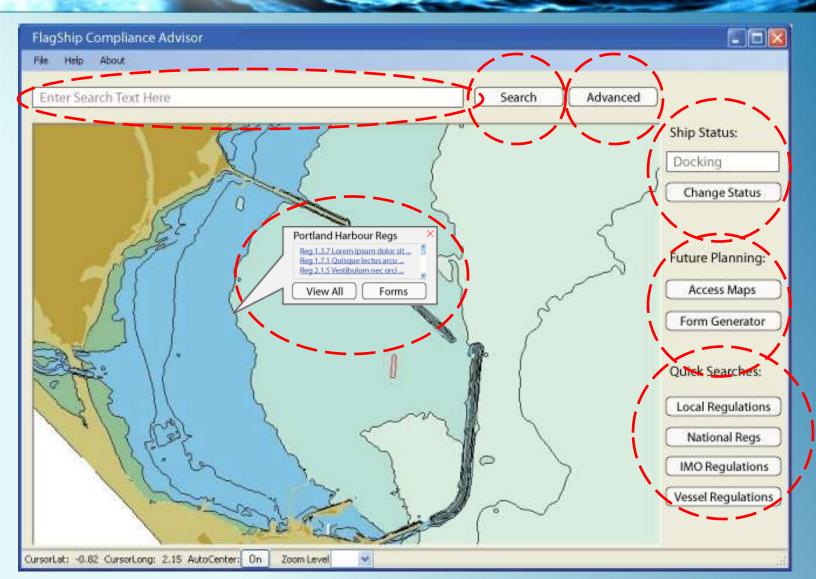


e-rules contribution to Flagship goals:

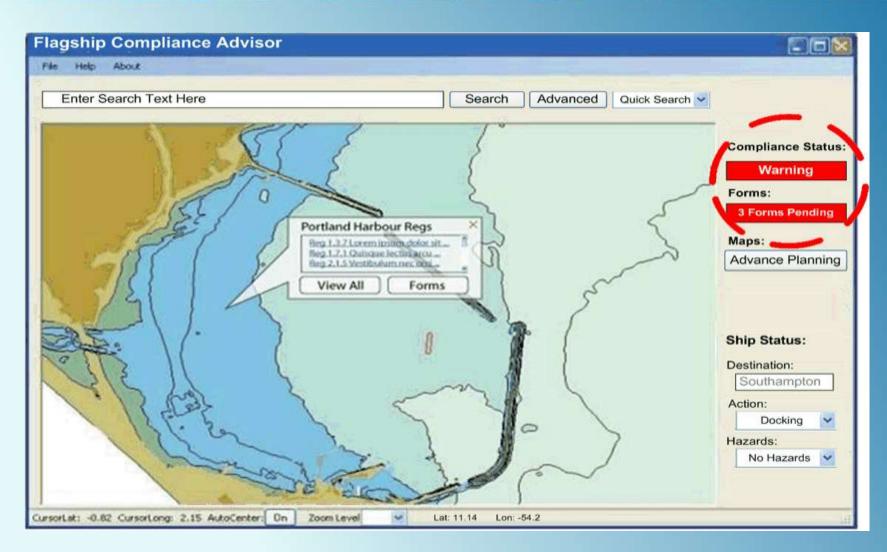
- 1. increased energy efficiency and reduced emissions
- 2. better decision support tools, grounded in a human factors understanding of the operators' needs
- 3. improved nautical operation and bridge decision support
- 4. enhanced alarm filtering
- 5. automatic support for rule compliance
- 6. improved cargo-handling



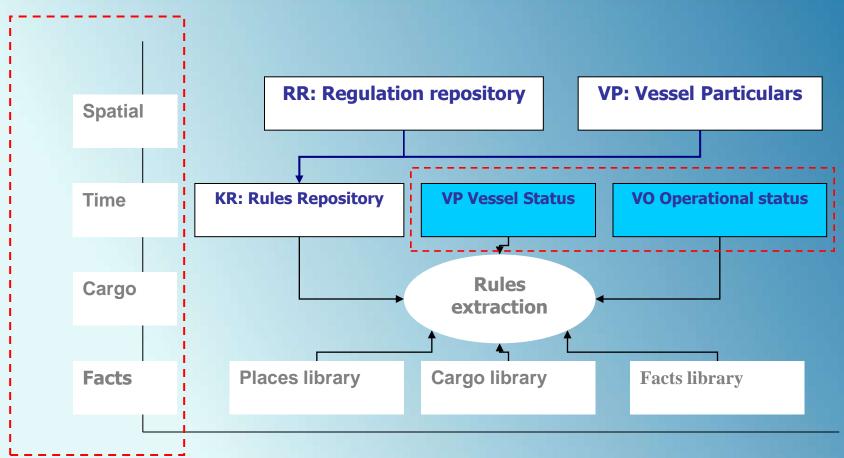




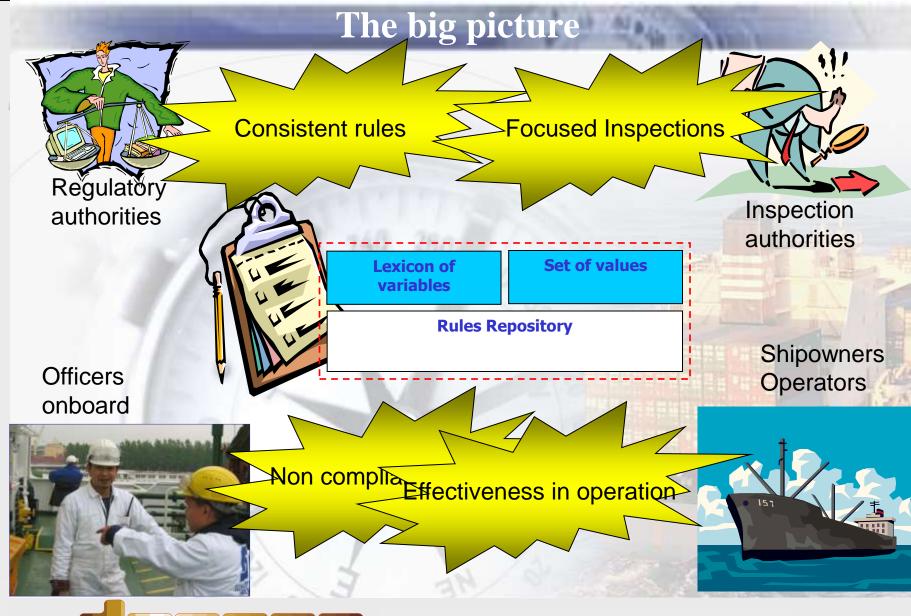












Your Information Technology Partner





Potential Benefits: For regulatory authorities

- Consistent rules
- Automatic rule compliance verification
- Objective Audits
- Standards for e-rules
- Verification of rule delivery to involved parties
- Cost reduction



Potential Benefits: For Shipping Community

- Verified rule delivery
- Automatic rule compliance verification
- Effective Audits
- Standards for operational data recording and distribution
- Higher Quality
- Administrative costs reduction

The EU e-Maritime Initiative

Recognizes:

→ a number of underlying problems affecting efficiency, performance and quality of services related to maritime transport.

Aims to:

- → to enable seamlessly and effortlessly interchange of information between all relevant stakeholders
- → based on the EU directives and international regulations information exchange between businesses and administrations
- → facilitate decision making and information exchange between different stakeholder groups

Will support:

- **→** compliance to and enforcement of regulations
- → proactive or remedial operations
- **→** effective and coordinated controls and inspections



e-Rules & e-Maritime Initiative

"e-Rules can offer the common language to support the information exchange and the interoperability"



