Application for an OASIS test bed start up:

Name: **TOSS-PSQA(PILOT)**
Trading Of Seafood Safely (TOSS) from capture to table involving the Public Supervision & Quality Assurance (PSQA) alliance initiated by EPR-forum

Background: There is an increasing demand for high quality and fresh seafood in the global market place. A marketplace that will be increasingly be an electronic market place.
Given growing demand and scarcity of fish stocks worldwide there will be an increased emphasis on documentation of the products for sale from cradle to grave in order to compete and survive in the marketplace.

1. **Main objective:** Given that SME have limited resources and capacity we wish to specify a service system for helping small and medium sized organizations/companies in the fishing industry along the (Norwegian) coast in establishing new business to business processes in a transparent and cost effective manner as well a service portal for marketing and selling their products and services in the national and international market.(import and export) The issue is also to help both authorities and companies in tracing unauthorized captures and establish routines and mechanisms that ensure both trust and learning in the local marketplaces worldwide.

Sub objective 1:
- Reporting/registration and sale through auctions by help of PDA solutions (e.g. Råfisklaget) in the moment of capture made by the fishing boat crew. In this way the delivery will be to the buyers closest landing business directly from the capture area.
- Sale co-operation through different auction systems in Europe (EAFPA).
EAFPA = **E**uropean **A**ssociation of **F**ishing **P**orts and **A**uctions **www.eafpa.org**

Sub objective 2:
Make it possible to trace unauthorized fishing and trade of seafood because of electronically documented trading. (Authorized seller and buyer)

2. Knowledge and technology.

- **Type of knowledge 1:**

Business and process knowledge:
It will be required to know how the auction solutions in Europe are operating and knowledge in established processes. This knowledge will be obtained from EAFPA members.

- **Type of knowledge 2:**

It will be required knowledge in modern eBusiness standards and available SOA (Service Oriented Architecture) software specifications from OASIS and UNCEFACT.

- **Type of knowledge 3:**

Knowledge about the PDA mobile solutions based on 4G mobile networks.
Knowledge about offshore.VHF/AIS radiocommunication and satellitebased identification of vessels GIS/GPS.

3. R&D – challenges

To handle whole value chains common modern super portals needs template processing to interact with underlying information systems (legacy and expert systems).
It will be needed dynamic control and integration by help of common and open "traffic" rules and regimes based on standardized template models.

OASIS has through its specification standards "Business Centric Methodology" (OASIS BCM TC) and "Content Assembly Management" (OASIS CAM TC) defined template specification models and template processing organizing and orchestrating loosely coupled applications (Web Services, ebXML etc).
Regarding eBusiness applications and product/service trace ability, nomenclatures and identification with standards from **UNCEFACT** and **GS1 (UNSPSC)** will be of grate importance.

In the TOSS pilot project it will be specified and developed a template processor in open source (PHP) based on the mentioned standards and specifications. The **jCAM** processor and its execution in real business cases will be evaluated and tested and adapted to our solution.

The TOSS project will be coordinated with the work in OASIS BCM-EPR SC and through the PSQA-alliance in ERP-forum. The TOSS project work and related TOSS demos will be tried implemented as part of the **OASIS test bed** in cooperation with OASIS and UNCEFACT.

See
www.oasis-open.org/committees/tc_home.php?wg_abbrev=bcm-epr
www.eprforum.no/

The TraceFish recommendation standard:
The EU project TraceFish defined trace ability standards for the whole value chain of fresh seafood.
TraceFish has defined information standards that not only handle quality, but also information that can be used in tracing legal (not legal) trade of seafood identifying name of fishing boat, legal quotes etc. Having this information reliable and trustworthy it has to be evaluated with other relevant databases and applications by authorities both nationally and internationally.
(It is obvious that it will not be enough to register these data manually and that some degree of automation will be of great advantage to the end user)
It has been done and will be needed more extensive R&D work to solve this.
The TraceFish results are now transferred to other food application areas through a common standard called **TraceCore**.

4. Way of cooperation:

- Collaborate with the EU project TTQ in the Leonardo program ending in 2007. This project has involved different application areas within the seafood business in Europe, (also EAFPA) and putting focus on tracing and quality.

and
It will be cooperation groups/firms associated with EAFPA network at home abroad based on mapping surveys of best practices
(e.g. Norges fiskerlag and SUROFI Ålesund).

- Cooperation with international OASIS member companies delivering free software based on OASIS standards. Primary through committee work in OASIS BCM TC and CAM TC by frequently teleconferencing and face-to-face meetings.

- Involve Standard Norway in our work by eForum through their project eSporing

Partners:

- EPR-forum and the PSQA alliance (The secretariate for eForum is at Standard Norge the Standardisation organ in Norway which are responsible for ICT standards.)
- UNCEFACT and OASIS as organizations and their members
- TTQ consortium project (EU program Leonardo Da Vinci)._ International groups, companies and universities specialized on fisheries and seafood.
- EAFPA is a group covering most of the auction solutions for seafood in Europe