

# TraceCore XML

.. and the TraceCore Abstract Model



Stefán Torfi Höskuldsson

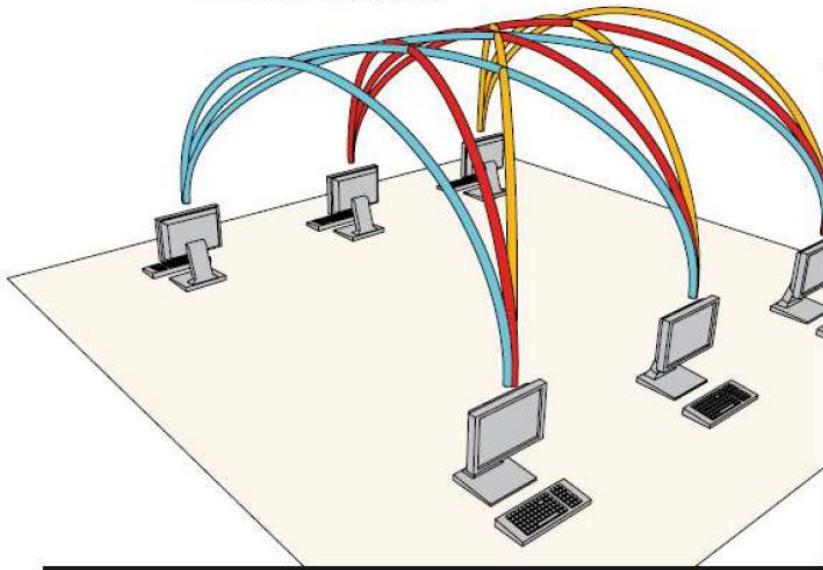


Microsoft Dynamics

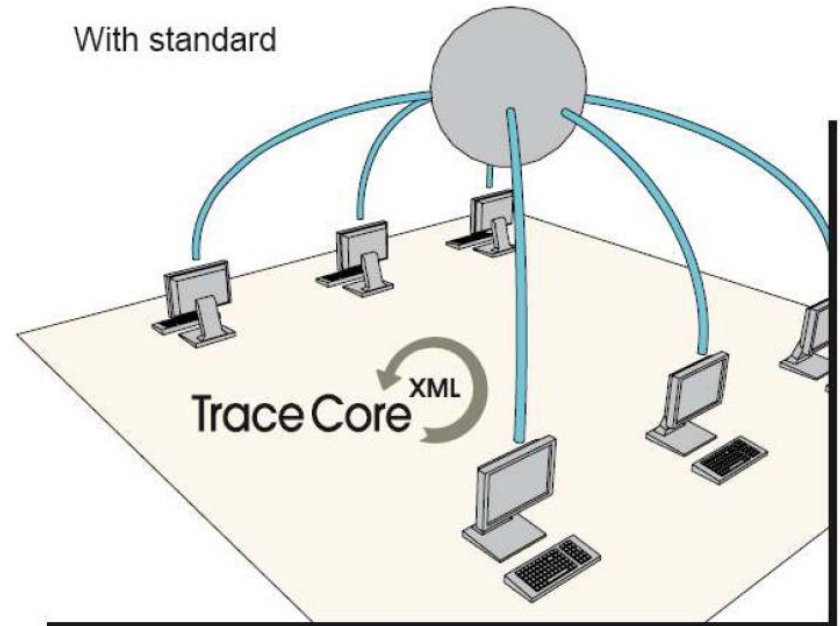
**Microsoft**  
GOLD CERTIFIED  
Partner

# Why a standard?

Without standard



With standard





Simplified TCX Abstract Class Model. Revision 2.2 (current)

Only trace related classes are fully extended and has all the related associations. Other more generic data types and help classes are not extended here but left up to the design in the different standards where this model will be mapped to.

Stefan T. Höskuldsson – Nov. 2008

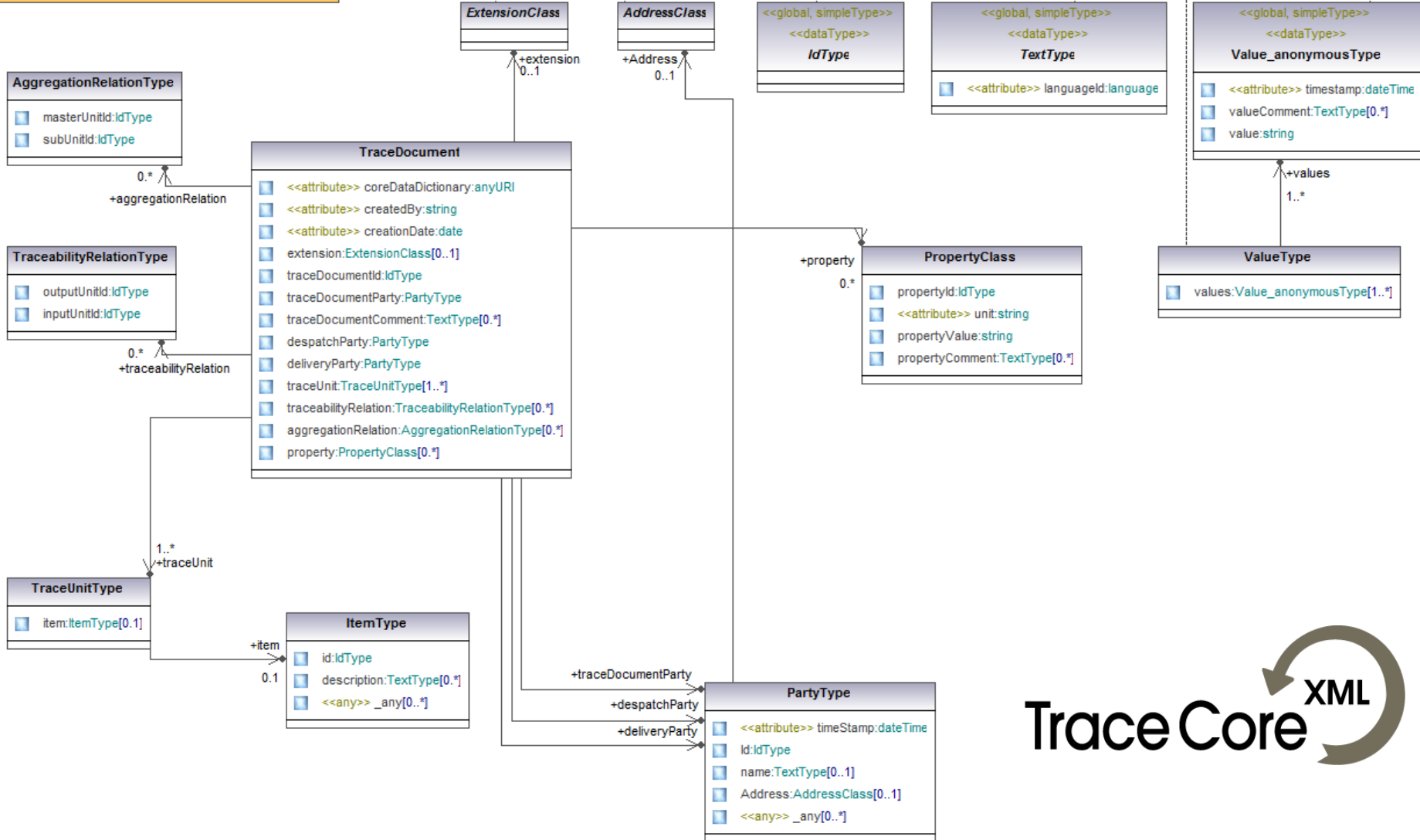
ExtensionClass is replaced with whatever extension functionality is available in the target schema.

AddressClass is replaced with whatever Address design is available in the target schema.

IDType is replaced with the Id mechanism is available in the target schema.

TextType is replaced with whatever free text design is available in the target schema. Should include at least a language reference.

An example of a value class with a value datatype.



## XML example

```
<sbdh:Receiver>  
  <sbdh:Identifier Authority="String">String</sbdh:Identifier>  
  <sbdh:ContactInformation>  
    <sbdh:Contact>Minralwater Producer</sbdh:Contact>  
    <sbdh:EmailAddress>infor@mineralwaterprod</sbdh:EmailAddress>  
    <sbdh:FaxNumber>004733335555</sbdh:FaxNumber>  
    <sbdh:TelephoneNumber>004733334444</sbdh:TelephoneNumber>  
    <sbdh:ContactTypeIdentifier>String</sbdh:ContactTypeIdentifier>  
  </sbdh:ContactInformation>  
</sbdh:Receiver>
```

More information @:

<http://www.foodtraceability.eu/page/it-exercise>

## The goal of the TCX team

***“That the format will be used by the food industry and that there is a user community around it and resources and processes set up to maintain the format and support the users”***

## Threats to our goal

- TCX needs to be implemented from ground up in existing software
  - ...or implement a new software
- High implementation cost
- ROI not 100% clear
- The future of TCX after TRACE not clear

## What to do?

- Wait – see what happens.
- Market it – funding not clear.
- Enforce it – by legislations?
- Integrate it into existing standards.

Different vocab each class, n

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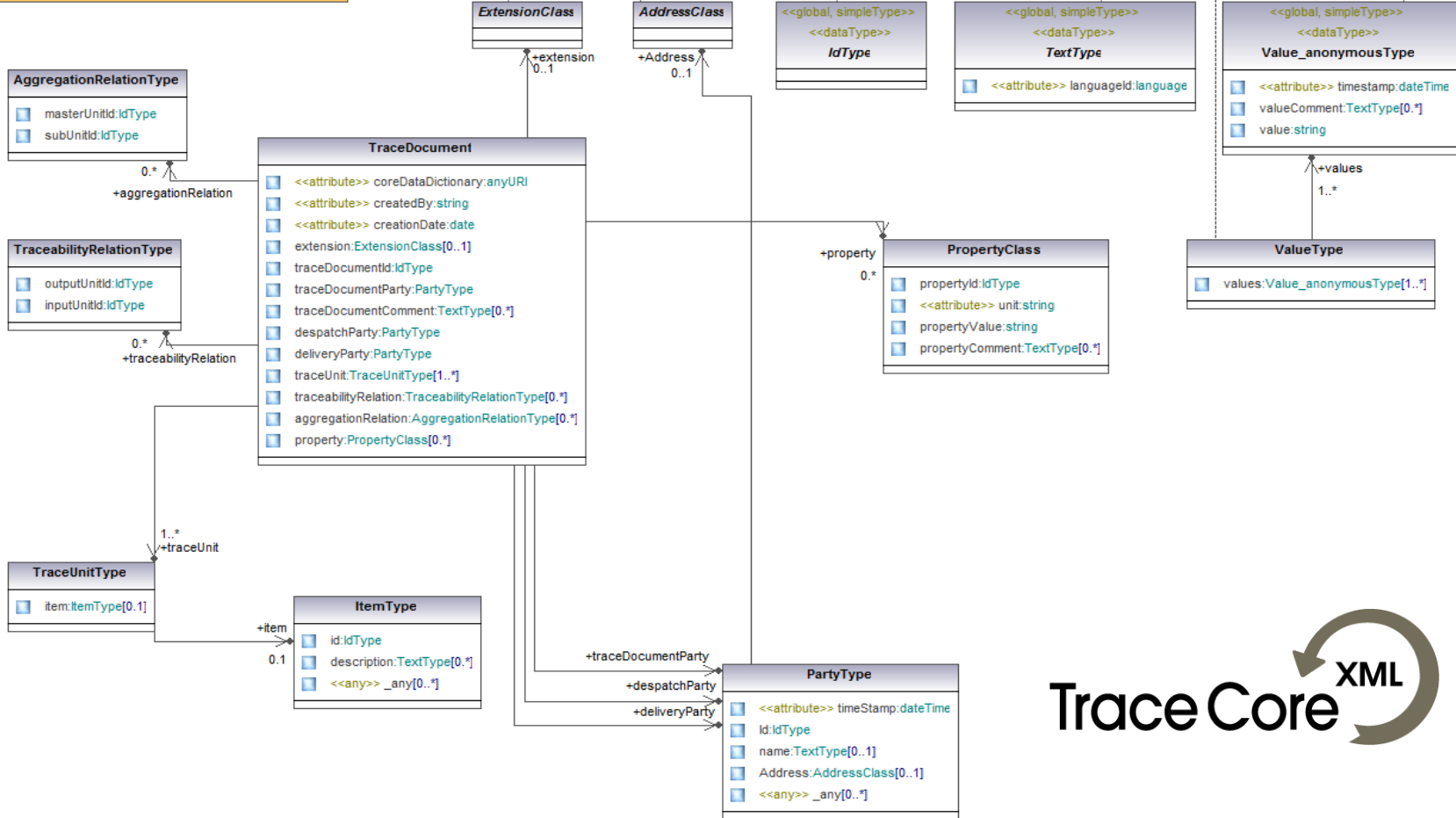
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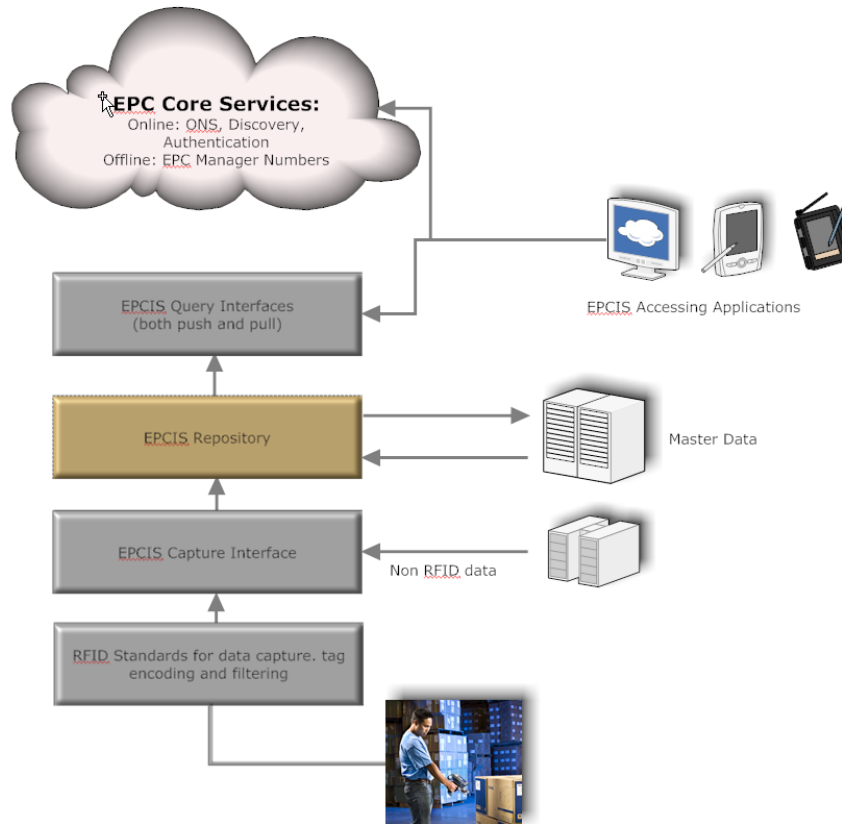
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## Search for a home



## Why EPCIS?

- Large and growing user community with ratified standards
- Standardized key schemes
- Extensibility
- Not only food
- Complete vision and model of the supply chain

## Summary and next steps

- TCX Revision 2.2 is still valid
- More revisions will not come
- Trace Core abstract model to be mapped to the EPCIS standard
- TCX sector specific extensions to be translated into EPCIS vocabularies

# maritech

## TraceTool



## Live Demo



