

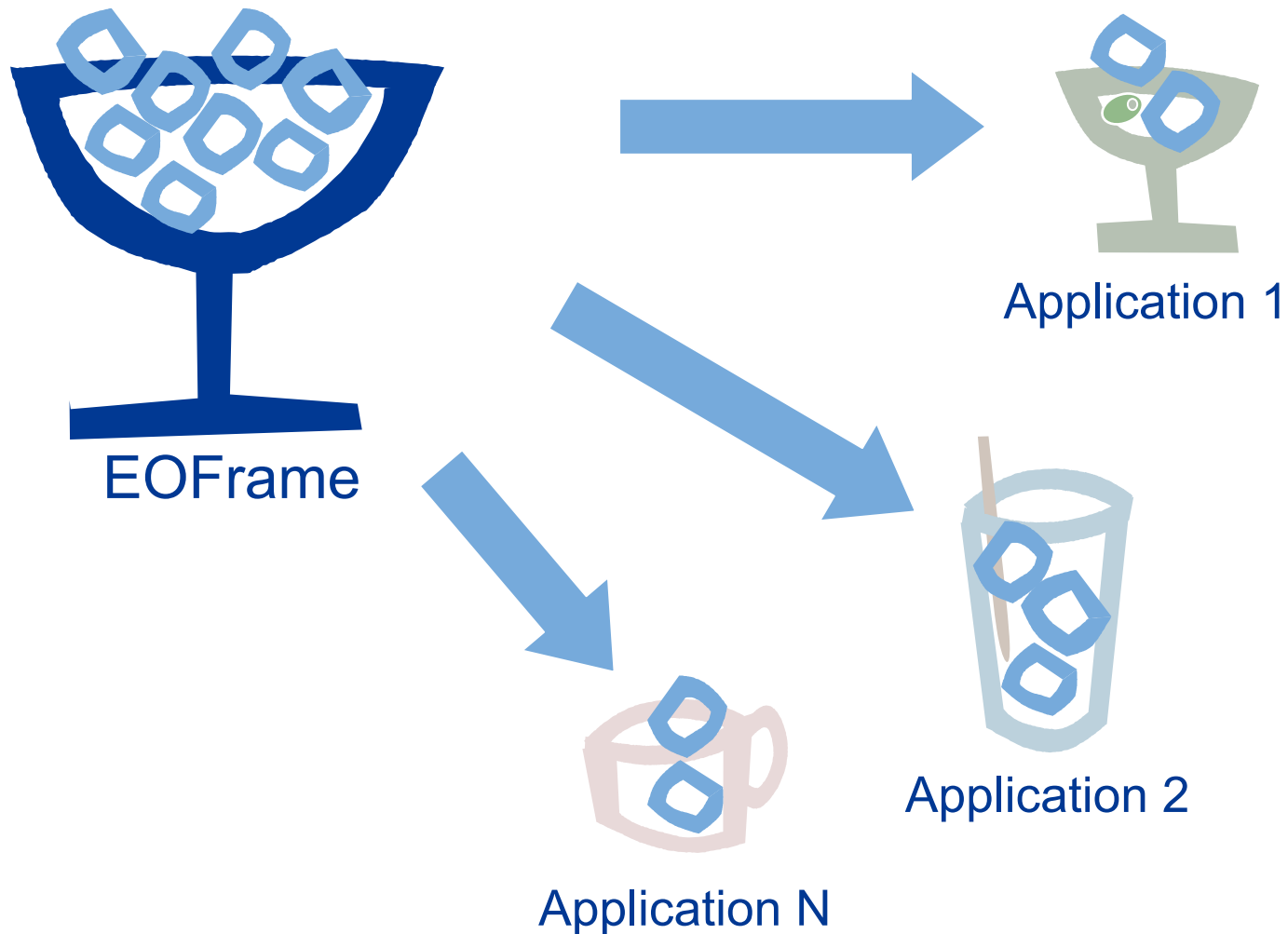


EOFrame

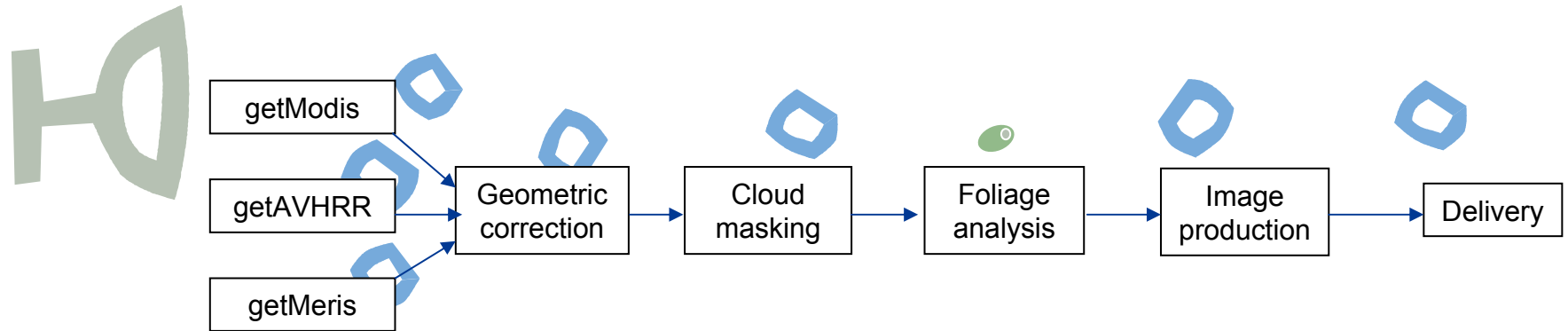
A software framework for earth observation
application development

Ville Kotovirta

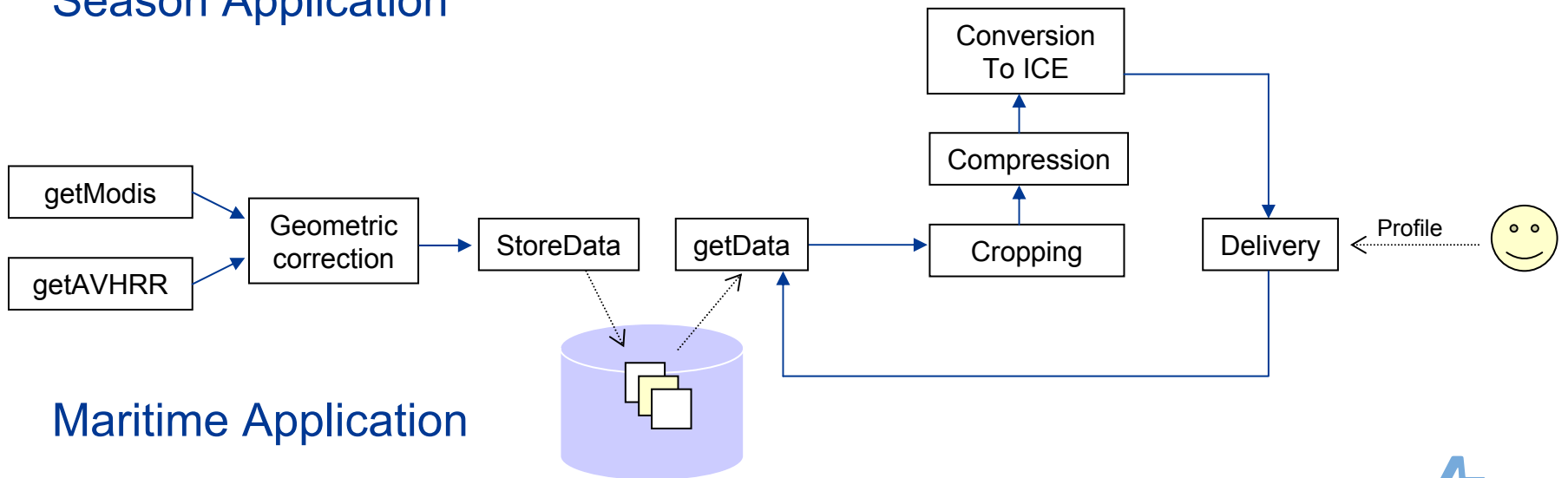
EOFrame - Framework for supporting application development



Specifying EOFrame: Application examples

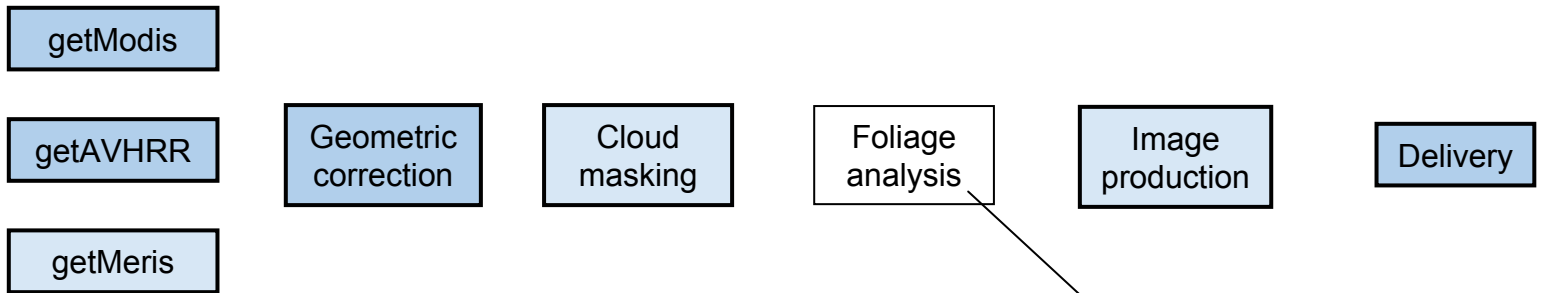


Season Application



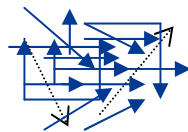
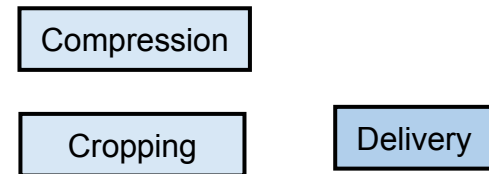
Maritime Application

Specifying EOFrame: Identifying the common modules



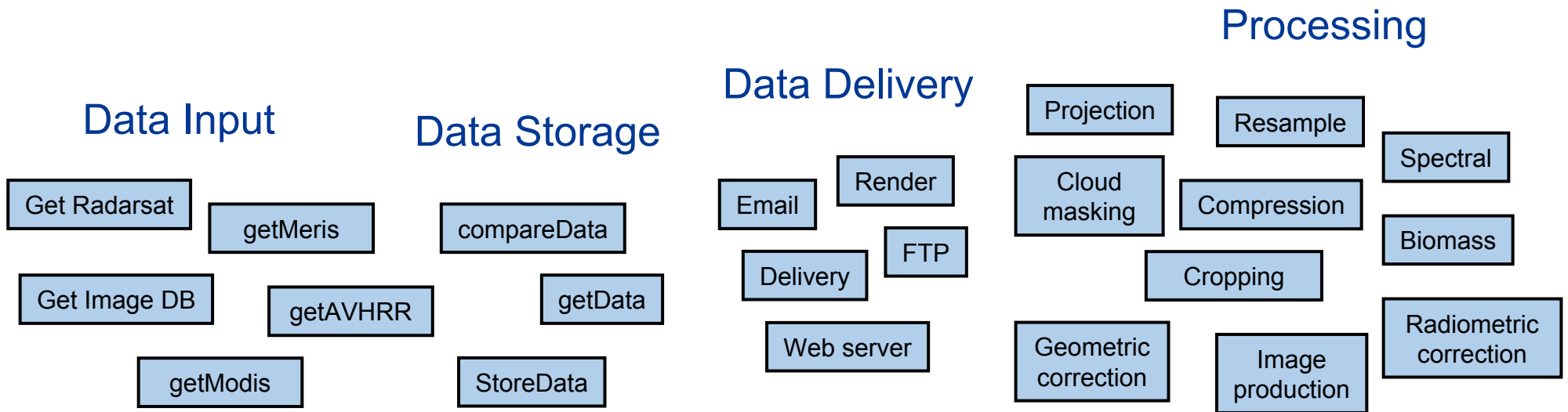
Many modules can be used in two or more applications

Some modules remain application specific

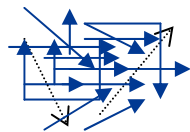


Workflow control

Specifying EOFrame: Identifying the common modules

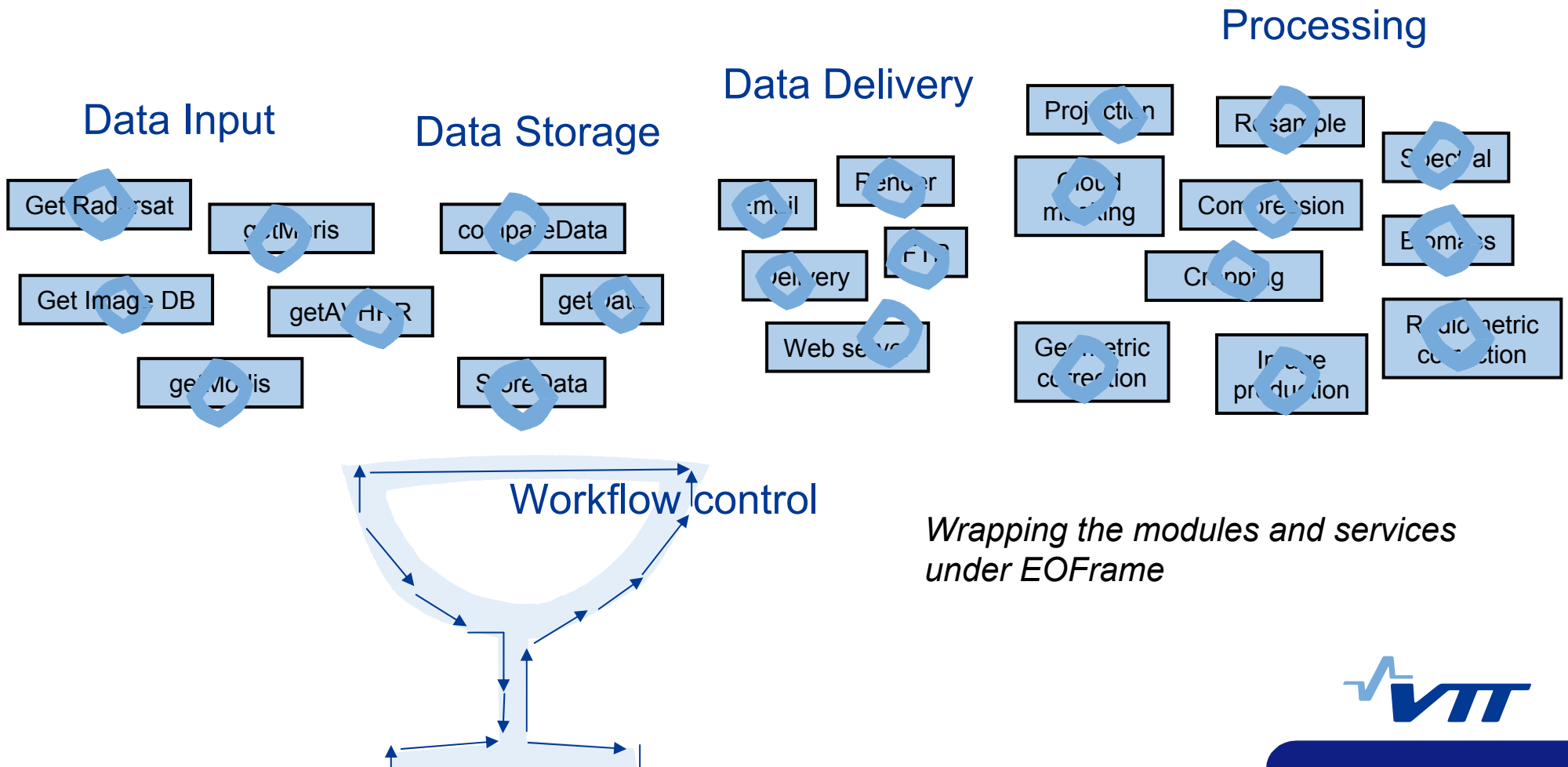


Workflow control



Gathering and classifying the common modules from all Envimon applications being developed

Specifying EOFrame: Framework shape-up



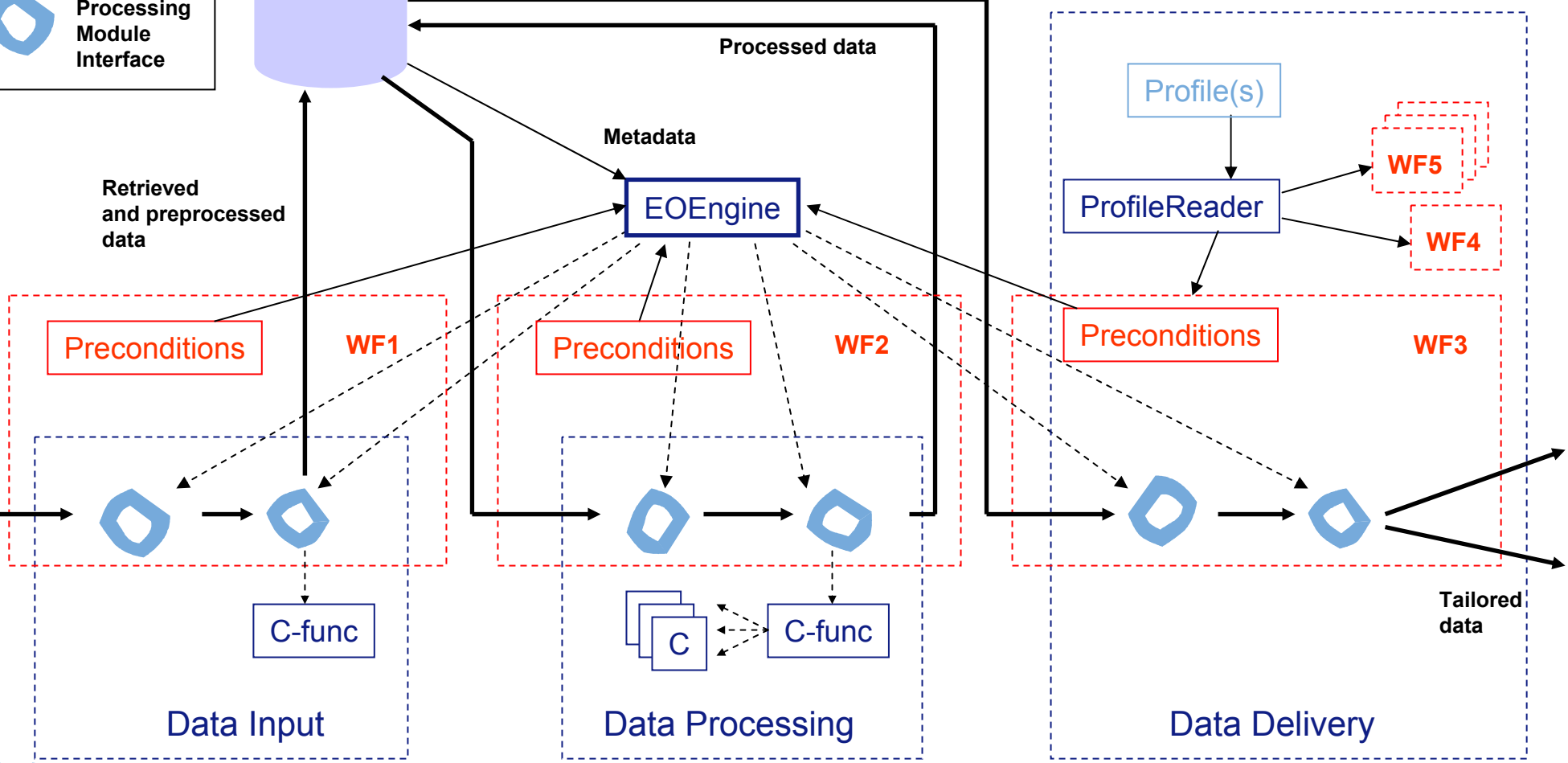
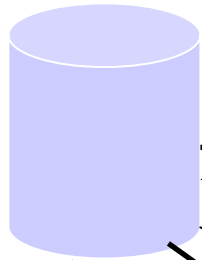
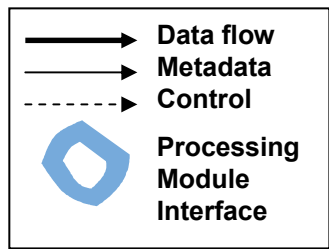
Analysis of applications in Envimon

- Common service requirements
 - automatic data input, EO data pre-processing, data storage, profile-based data delivery, Workflow (WF) control

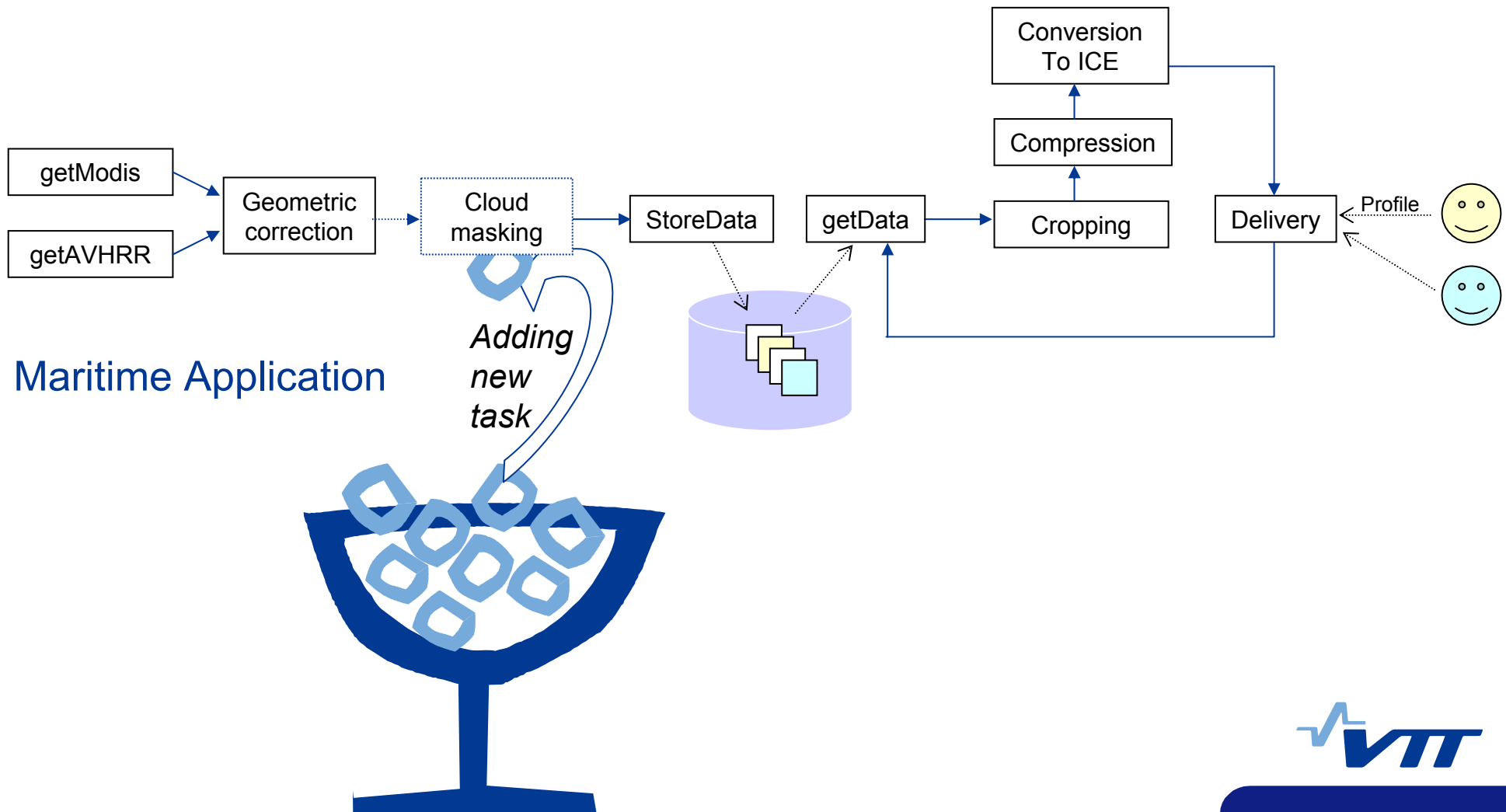
	Framework services				
Application	Near-real time automatic data input	Common EO data preprocessing	Data storage	WF control	Profile-based data delivery
Disaster	X	X	X	X	X
Forestry	-	X	-	X	-
Forest fire	X	-	X	X	X
Maritime	X	X	X	X	X
Repository	-	X	X	X	-
Season	X	X	X	X	-
Traffic	X	-	X	X	-
Service usage	71%	71%	86%	100%	43%



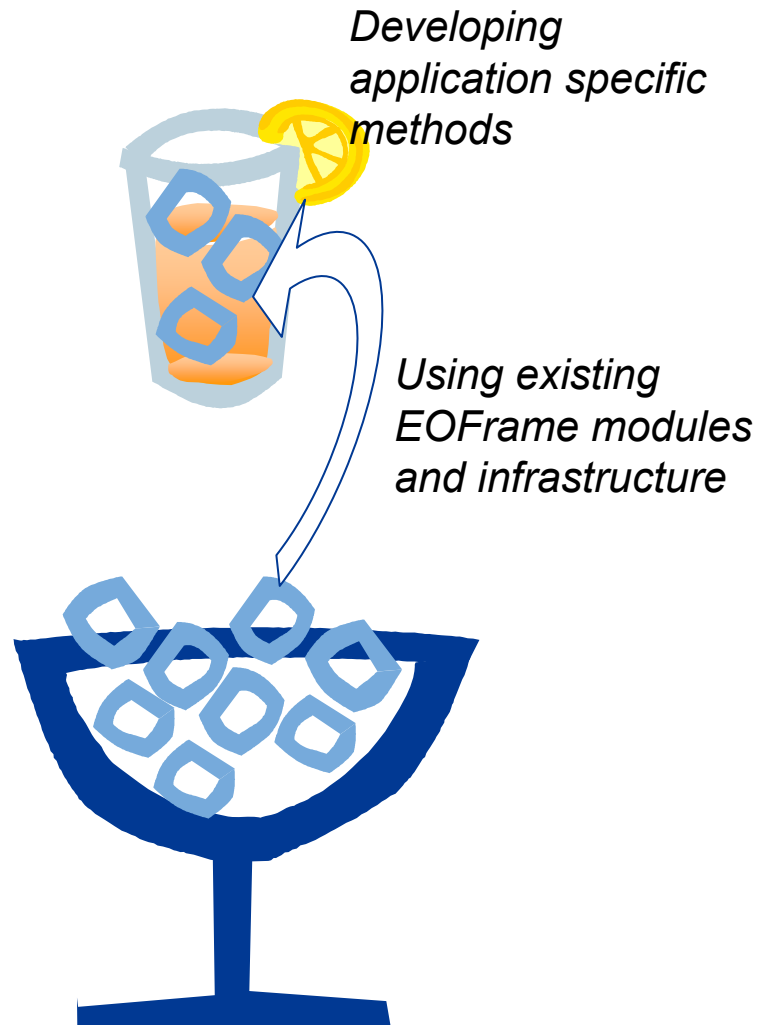
EOFrame design



Vision: Extending applications with EOFrame



Vision: Developing new applications with EOFrame





Thank You! Cheers!