



**Some ideas about VMS issues
CoC Working group on VMS and
related control systems in the
GFCM area
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Xavier Vázquez

FLUX

- *Fisheries Language for Universal exchange*
- *Goal: Standardize current chaos of data exchanges*
- *Two components:*
 - **Software: FLUX Transportation Layer (FLUX-TL) with a Central Node**
 - **Data: FLUX Business Domains: XML standards under UN/CEFACT**
- *Operational within EU beginning 2014*

FLUX-VMS

- *Why?*
 - **Current technical weaknesses**
 - **Simplification (same FLUX transmission system)**
- *What?*
 - **FLUX-TL will be configured to transmit VMS data (test version already available)**
 - **FLUX-VMS Business Domain is currently in the process of being approved by UN/CEFACT**
 - **All developments made for this project will be made available as Open-Source Software**

Centralized VMS/ FLUX

- Flux is based on common language to be shared by all
- It is possible to integrate since the very beginning using flux:
 - AIS (Automatic identification system)
 - VDS (Vessels detection system)
 - ERS (Electronic reporting system)
 - GPS (Global position system) from green boxes
- The main battle is in the reduction of costs of software. If there is a system available in open source the costs could be reduced by nearly 50%