When attacking the problem of live information dissemination, then Publish/Subscribe (pub/sub) technology plays a key role in the solution. Our solution is aimed to create a communication model that links components in a dynamic adaptive system called Dynamic Adaptive System Infrastructure (DAiSI), using a simple publish/subscribe medium. This medium is part of Volkswagen industrial standard Extensible Lightweight Asynchronous Protocol (Exlap). Regardless that our implementation and example pertain to DAiSI and Exlap, our concept is introduced in an integrated framework, which allows the reusability of this model in other application domains.

The end result of this work would be filling the gabs of a proposed system architecture framework that consists of 4 layers. We will name a system or a solution for each layer where our main concept will fit in the upper layer 2 layers, namely the matching and routing layers. This system has been implemented experimentally and tested on a virtual scale, hoping for testing on bigger scales later. This concept focus on linking the produced data with the producer on two basic features, the first is the producer main functionality and character, the second is its position and how it fits in the whole picture which we can call semantic features.