Work flow Automation With Business Data Streams Project 1

There exist services such as https://flowxo.com and https://ifttt.com, which facilitate automation of simple workflows by facilitating creation of trigger / action pairs or if-then recipes, whose execution will orchestrate applications wrt external stimuli (e.g. application data stream). An example of a popular recipe is the following: "IF I post a picture on Instagram THEN save the photo to Dropbox" or a more complex example is "for every new deal in a CRM send the deal with an e-mail to a person with the GMail service, then wait for about 1 day and send a reminder SMS with Twilio service".

Such systems mostly rely on proprietary application data while there are cases where external stimulus will provide extra benefits. An example of such a case is integration of CRM and credit management tools with external stimuli in form of streaming company debt and risk score data for Order-to-Cash business process. There is a Stream API for business data currently under development at Register OÜ and it will provide a stream of events such as company debt change, changes in board membership and data about newly registered companies. Such data changes events can be easily applied in the context of CRM and a credit management (CM).

The aim of the project will be to leverage provision of an analogue of ifttt.com, where users can define recipes for reacting into business data changes via actions in applications such as GMail, Odoo CRM etc. The project runs in collaboration with Register OÜ (https://www.inforegister.ee) and the application will be developed by using the Complex Event processing (CEP) feature of Register Stream API.