

Key success factors and enablers for developing a successful open source community











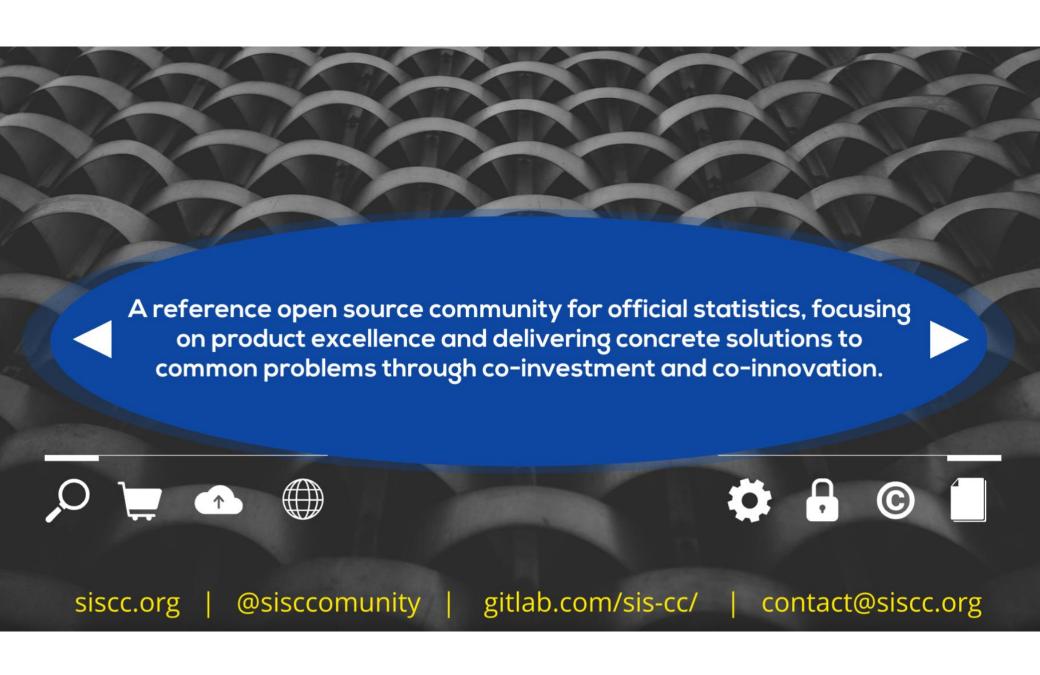


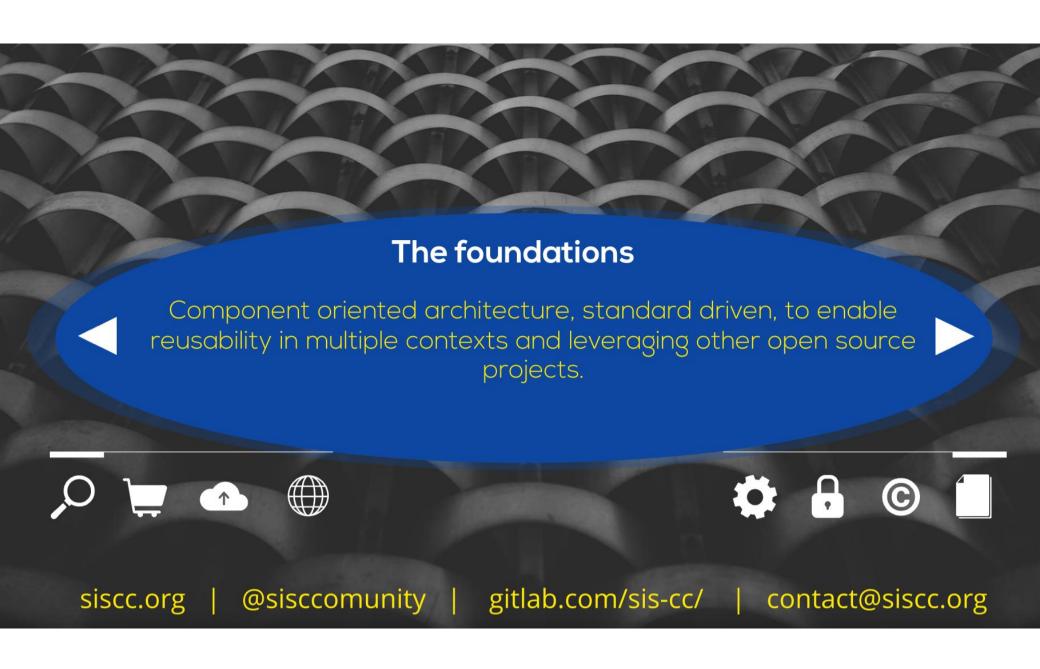


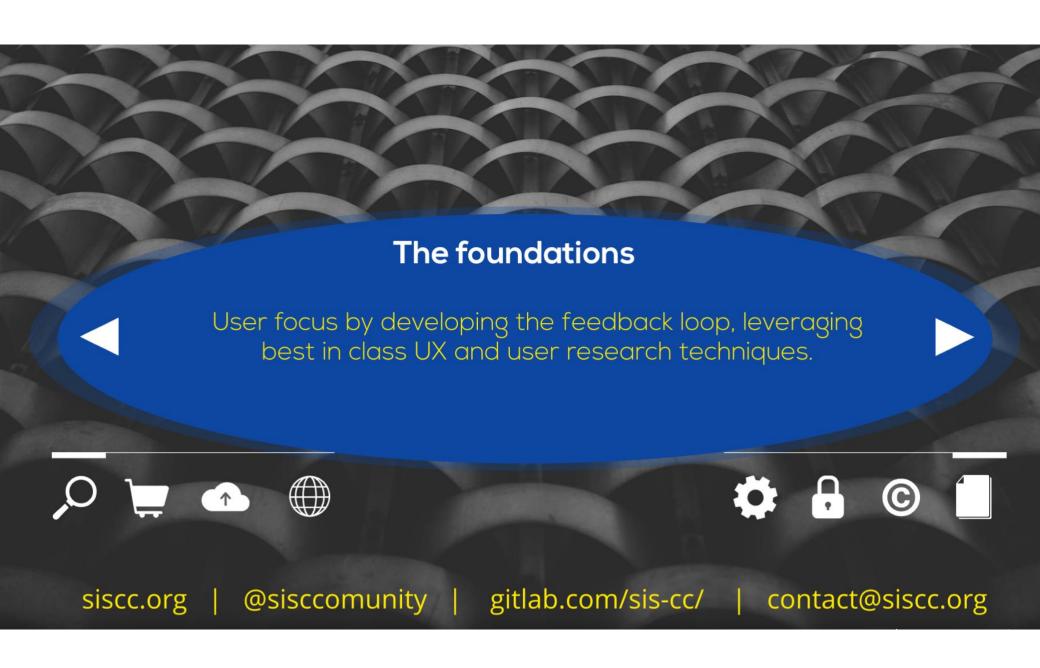




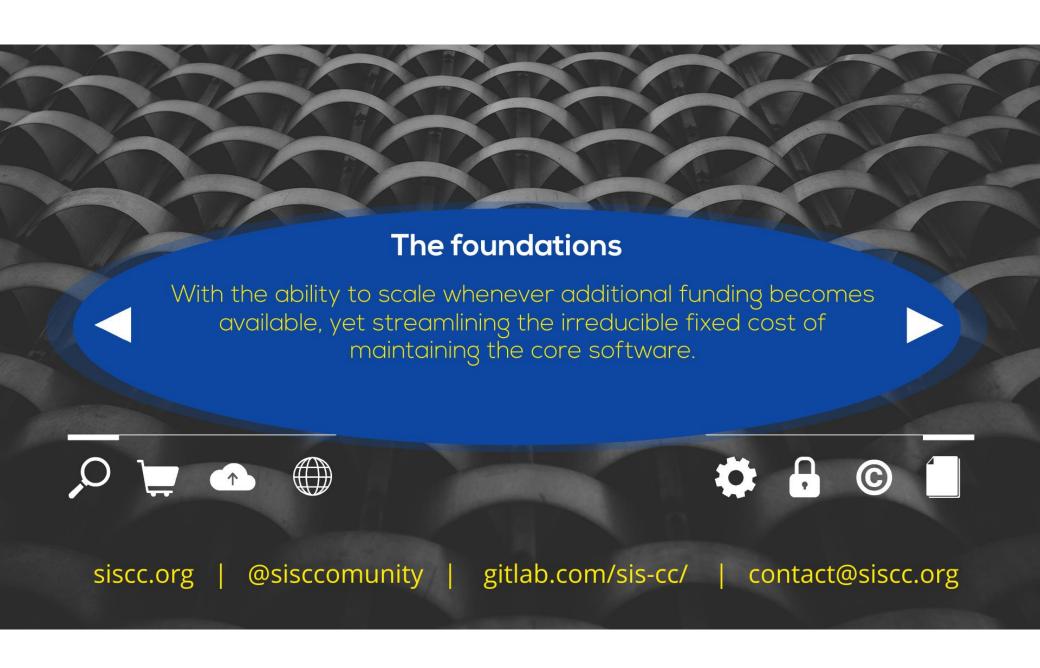














Key success factors and enablers for developing a successful open source community



















1. Do your research

Analyse the possible paths to open source, engage external experts, and carry out a due diligence and 'as is' study of the source code repositories, operational aspects, and governance.



















1. Do your research

Take inspiration from existing open source projects, including in other statistical offices, identifying key success factors and analysing their operational models.





















2. Automate the delivery

The way in which the source code is managed and the delivery of it is fundamental to the success of an open source project.







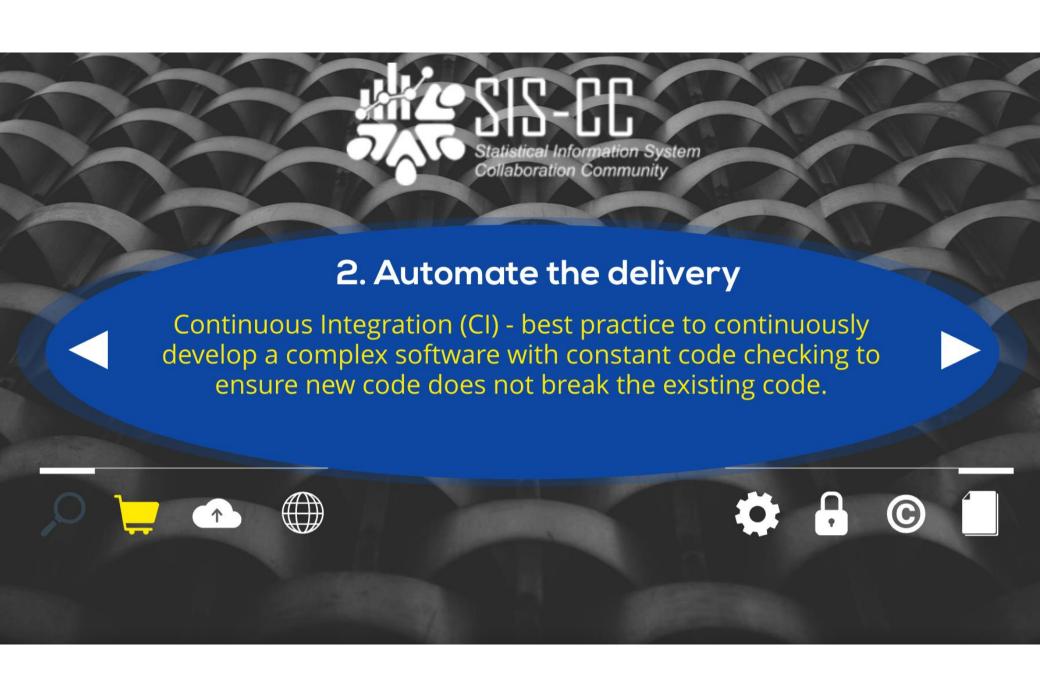














2. Automate the delivery

Continuous Delivery (CD) - it is important to approach the question "How can we easily manage the release of the project?" This process can, and must be to a certain degree, automated to gain maximum efficiency.

















2. Automate the delivery

The overall operational mechanism can be referred to as DevSecOps, the set of practices that combines software development (Dev), Security (Sec), and IT operations (Ops).



















3. Harness the technology

Key success of the DevSecOps chain is the harnessing of 'container' technologies (Docker, Kubernetes) allowing for fluid provisioning (installation, update) of an integrated set of components constituting an application over the cloud.

















3. Harness the technology

The adaptation of the IT policies, practices and security measures to this new world to ensure frictionless delivery, are all key enablers for the journey to succeed.

















4. Leverage other open source projects

Integrate third party components to leverage innovations from other community's and avoid re-inventing the wheel.















4. Leverage other open source projects

Key decision points for SIS-CC have been to rely on Eurostat sdmxsource project for the development of the SDMX API, on Apache SolR for the common search engine, and Facebook react.js as JavaScript development framework.









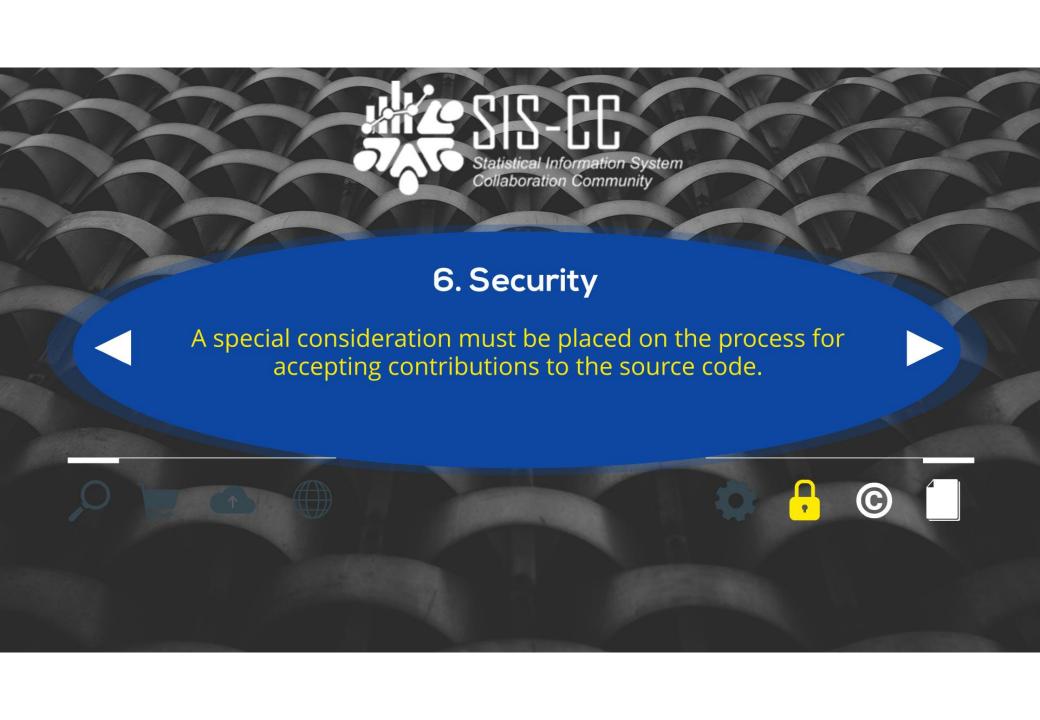


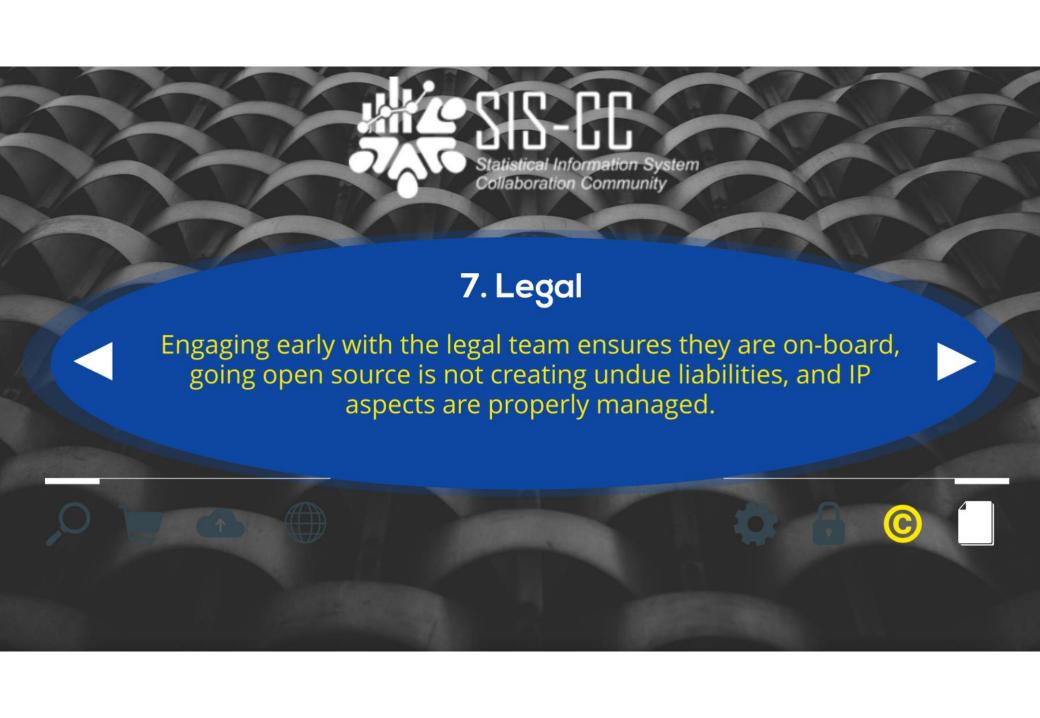


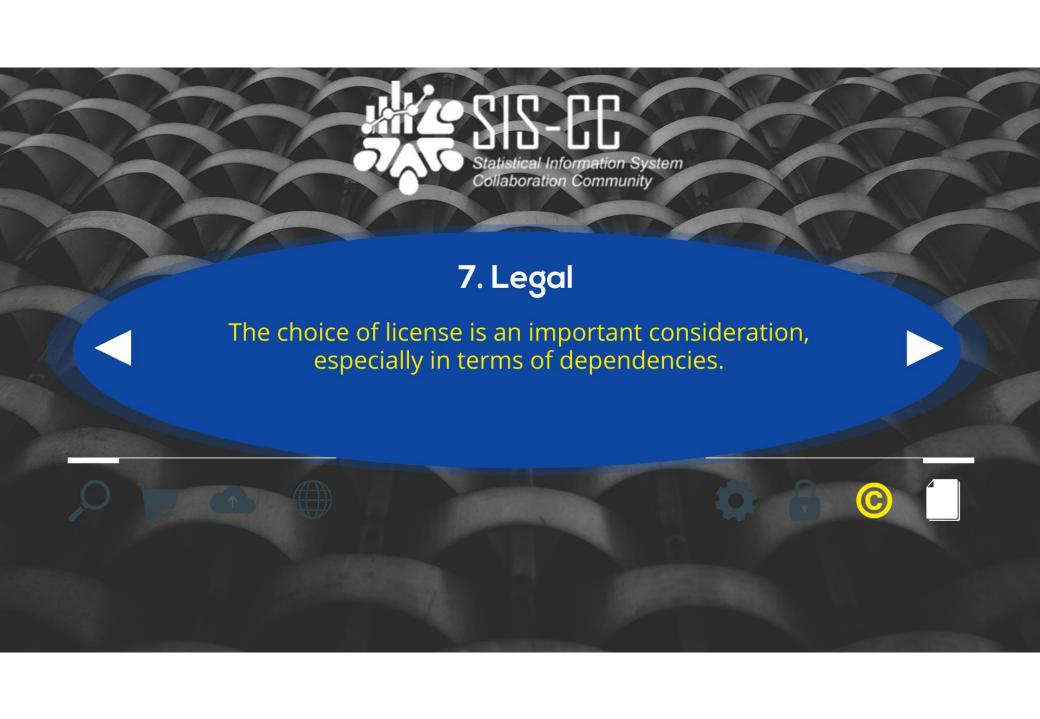


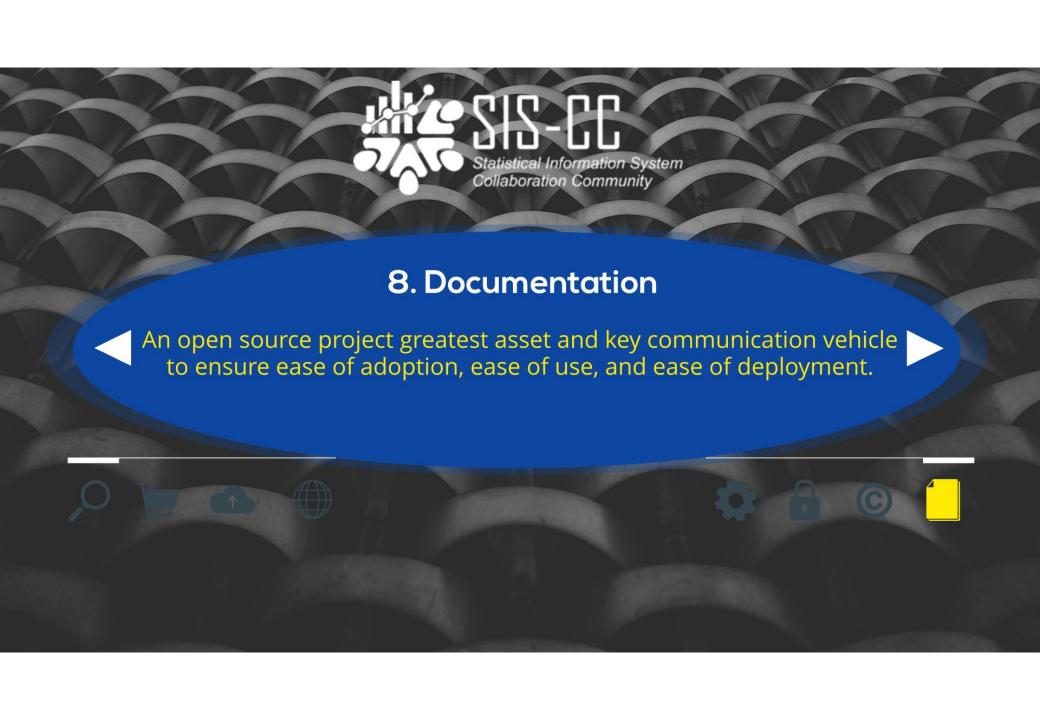














In June 2019 at the occasion of the SIS-CC annual workshop, the Community launched in full open source the .Stat Suite platform.



















Multiple initiatives have now taken shape:

In support of the global agenda (SDGs),

Sectorial organisations (ILO) in the dissemination of Labor Market statistics,

Implementation of .Stat Suite on the United Nations Global Platform infrastructure to provide a low cost service (SaaS) offering.



















Join us and continue this journey together!

















