Softsense - Secure usage of FOSS

Presented by the participating parties:

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Project Target

- The project targets the ability to Secure usage of Open Source software in product development
  - This ability is crucial if actors in Swedish ecosystems in the future are to be able to use Open Source software and still secure the total SW Delivery

- The project aims to develop knowledge, methods and SW to ensure that Open Source software can be used securely in all types of SW development
  - Focus is to identify vulnerabilities of all types

- With modern software development, the project aims that the solution must work even when the software is updated frequently

- This technology is crucial for maintaining productivity and speed of Swedish SW development without compromising security

What Softsense Support in SW Development

SW Product Development process

Develop Product

Release Product

Operate Product
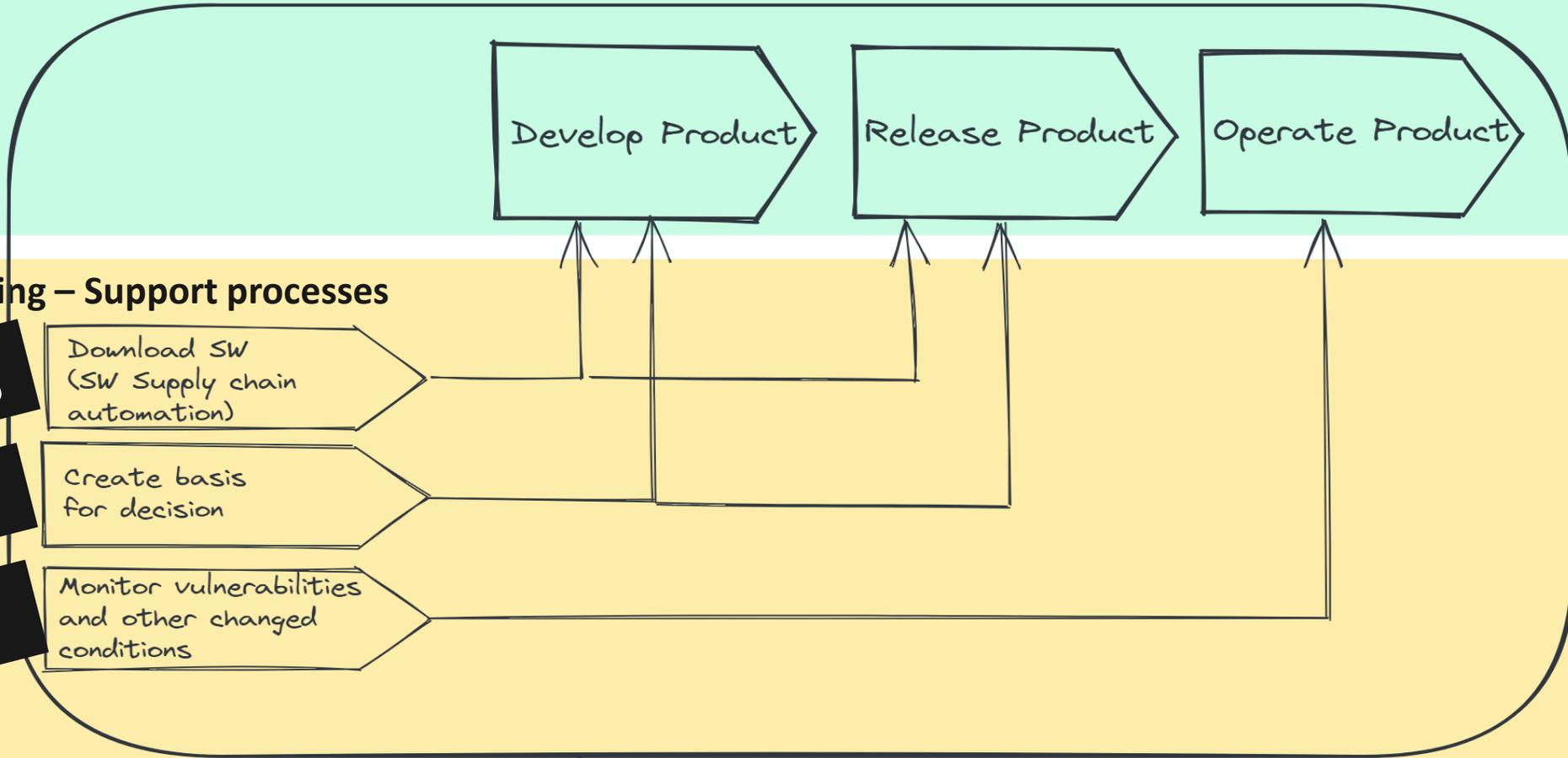
3PP Handling – Support processes

SECURE DOWNLOAD

FOSS META DATA

VULNERABILITY MONITORING

Download SW
(SW Supply chain automation)

Create basis for decision

Monitor vulnerabilities and other changed conditions

Follow up and Analytics

ANALYTICS, AI and ML

Find trends and unknown relationships

Two Value Flows

FOSS Introduction

And follow up
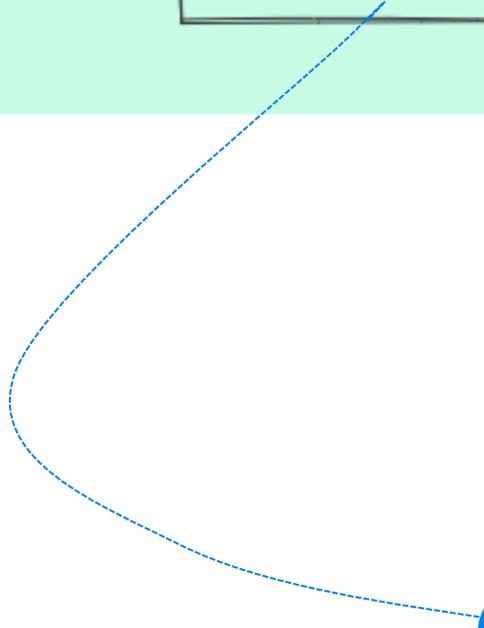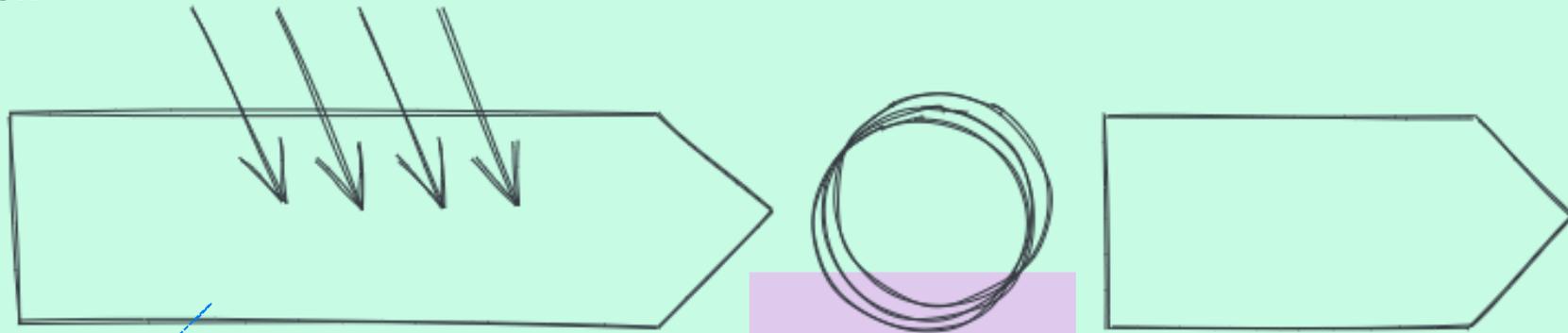
Analytics

Trends and unknown relationships

Project Result

- Unique ability to illustrate meta data for Open Source Software implemented

- Beyond immediate need for analysis at the FOSS intake, data is collected from a variety of aspects and sources, which ensures that the quality and completeness of the result is secured

- Furthermore, the results are stored in one way to facilitate future advanced algorithms for search and analysis beyond the individual the data points from individual intake analysis data

- By storing all the analysis data in a generic fashion, independent of the format of the individual analysis tools and the fact that commercial tools for analysis can disappear from the market

Potential for future expansion

- Additional targets not anticipated is to be able to make available adapted guidance to Swedish authorities on how to in a safer way can use FOSS in SW development

- Assessment of different types of Open Source meta data sources that handle FOSS meta data (such as a "security scanning tool"), is a completely unique opportunity that comes as an additional spin-off of our project

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