NOKIA

For an agile future

Nokia openness November 2018

Degrees of open

Openness is an overarching concept or philosophy that is characterized by an emphasis on **transparency** and free, unrestricted access to knowledge and **information**, as well as collaborative or cooperative management and **decision making** rather than a central **authority**.

Openness can be said to be the opposite of secrecy.

https://en.wikipedia.org/wiki/Openness

Internal openness

Collaborative openness

Unconstrained openness

NOKIA

Always open For an agile future

Open interfaces

Data exposure, open APIs for 3rd party plug-ins and enabling DevOps

Communities Standardization, open source, open architectures

Nokia openness approach

Ecosystems

Partnering, joint innovation, Open Ecosystem Network

NOKIA

Internal openness

Flat organization, inner source, data democracy

Communities

Standardization

Network effects and reduced uncertainty. Compatibility and interoperability between implementations.

Open source

Leverage for non-differentiating parts inside implementations. Free resources for value creation.

Open architectures

Modularity and re-use of innovation from other industries. Enable horizontalization of networking.



Open interfaces

Data exposure

Leverage network data and context for new applications and analytics, feed machine learning applications.

3rd party plugins

Enable creation of new features with plugins running inside and on top of our platforms.

DevOps

Develop new features both internally and jointly together with customers in a much faster way.



Ecosystems

Partnering

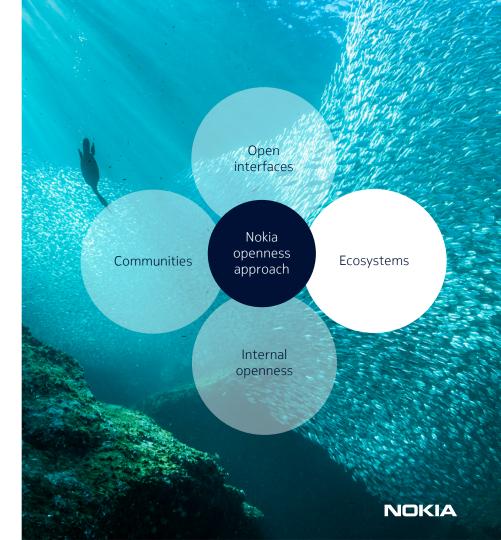
Enable best of breed networks, complement own offering. Reduced time to market.

Joint Innovation

Let customers and suppliers share innovation and value between us and themselves.

Open Ecosystem Network

Open co-creation environment for innovating bigger, better and faster



Internal openness

Flat organization

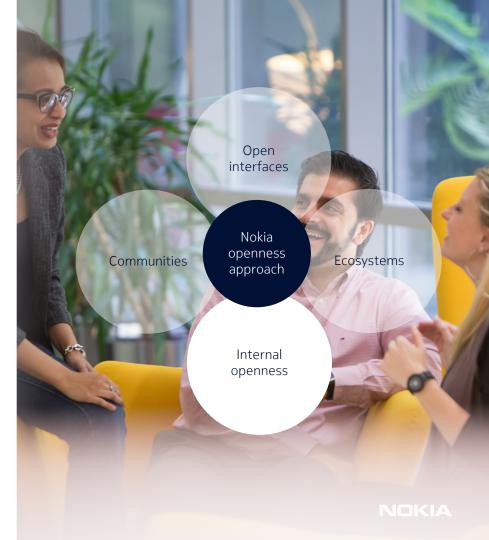
Scaled Agile Framework. Faster development with less overhead. Give power to individuals and teams.

Inner source

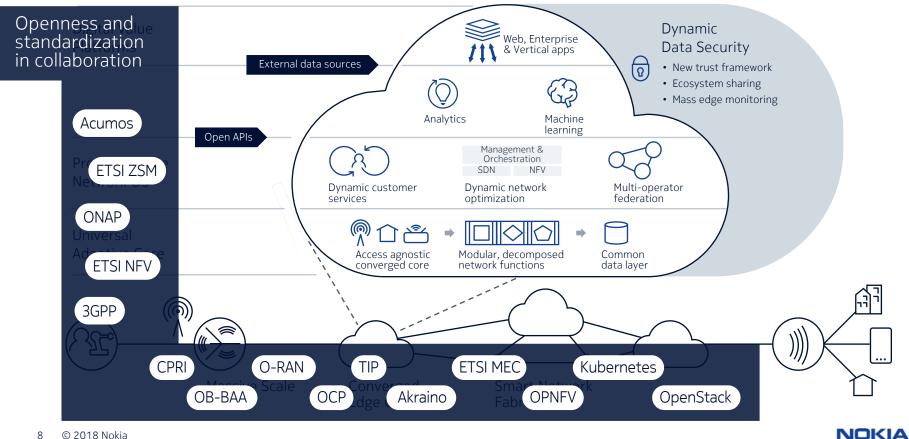
Open source culture; open collaboration & communication. Common software foundation.

Data democracy

Provide everyone access to data, share assets between products.



Future X architecture – built on openness



Benefits Focus on your core business

Agility

Faster time to market and revenue. Reduce waste.

Freedom

Joint innovation, best of breed, avoid lock-in.

Trust

Open, transparent and secure solutions.



Technology and innovation do best in the open, where people are able to share their own ideas and build on the work of others.





