How Maemo approaches Open Source

Quim Gil – Maemo Summit 2008
Key drivers

Open source is the recommended option. Closed source for differentiating areas. Hybrid architecture to mix and match OSS and proprietary software.

Real-time alignment and collaborative development within upstream open source projects.

Partnering and leading contribution with key OSS projects and companies to shape the industry with Open Source.

Independent community sponsored by Nokia able to contribute and innovate in our platform through usual OSS tools and ways of working.
**OPEN SOURCE** is the recommended option. Closed source for differentiating areas.

**WHY**
- Easier
- Faster
- Better
- Cheaper
- Scalable

**HOW**
- Agile
- Beta mode
- Release soon
- Release often
- Openly

**WHO**
Direct collaboration with top class projects

**WHERE**
- Dev. tools
- Core
- Middleware
- Frameworks
- Runtimes
- UI
- Applications

Sponsored community open to all players

Nokia Connecting People
Where Open Source is deployed

- Architecture consistent mainly of OSS with differentiation in upper layers.
- Recommended use of Open Source. Closed source focus in differentiating areas.
- 100% OSS is not a goal per se.
- 80/20 as rule of thumb for the whole stack, including Nokia applications.
- Proprietary 3rd party technology enablers
- Nokia proprietary differentiators
  - Application UI
  - UI style
  - Seamless connectivity
  - Power and energy management
- Open and free of charge developer tools.
Release soon, release often

Internal roadmap

OSS roadmap

Community roadmaps

OSS upstream roadmaps

Fresh upstream code

Open development

Internal development

Upstream development

Vision

Intention

Release plan

Fresh code released

Bugs

Feedback

Contributions upstream

Bugs & Fixes

Alpha

Beta

Final release

Contributions upstream

Bugs & Fixes

Fresh upstream code
A collaborative environment

**Freedom for OSS success**
- Code available as alpha
- Weekly releases
- Platform stabilization
- Application innovation
- SDK for PC emulation

**Combining internal processes with OSS practices**
- No duplication: Nokia maintains its packages openly as part of our R&D process
- Bigger input: the community contributes testing & software
Direct collaboration with OSS upstream projects

- Upstream is where the stuff really happens.
- Promote alignment with upstream projects and project umbrellas: Debian, freedesktop.org, GNOME, KDE.
- Support other relevant organizations: Linux Foundation, Free Software Foundation.

BlueZ  D-Bus  GStreamer  GTK+  GUPnP
Linux Kernel  Mozilla  PulseAudio  QEMU  Scratchbox
Telepathy  tinymail  Tracker  upstart  X.org

...and many more components in use with minor contributions and bugfixing:
http://wiki.maemo.org/Task:Upstream_projects