



SHR

What the hell is SHR?

- Stable **H**ybrid **R**elease
- Community driven GNU/Linux distribution
- Using OpenEmbedded (OE) build framework
- Based on freesmartphone.org telephony stack
- Most popular distribution on OpenMoko ¹



[1] http://wiki.openmoko.org/wiki/Community_Updates/2009-09-02



Agenda

- Status: What have we done?
- Development: What's going on?
- Community: How does it work together?

Status: What do we have?

- What changed?
- Building SHR
- Under the hood
- User Interface
- Apps from community

What changed?

OE Overlay

- ✓ Sandbox
- ✓ Getting FSO patches
- Bunch of patches
- Don't apply for sure
- Complicated

OE Branch

- ✓ Sandbox
- ✓ Easier
- Drifting away from OE
- No OE patches

OE.dev

- ✓ Getting OE patches
- ✓ Easier
- Getting OE bugs
- Being responsible for OE bugs

Building SHR

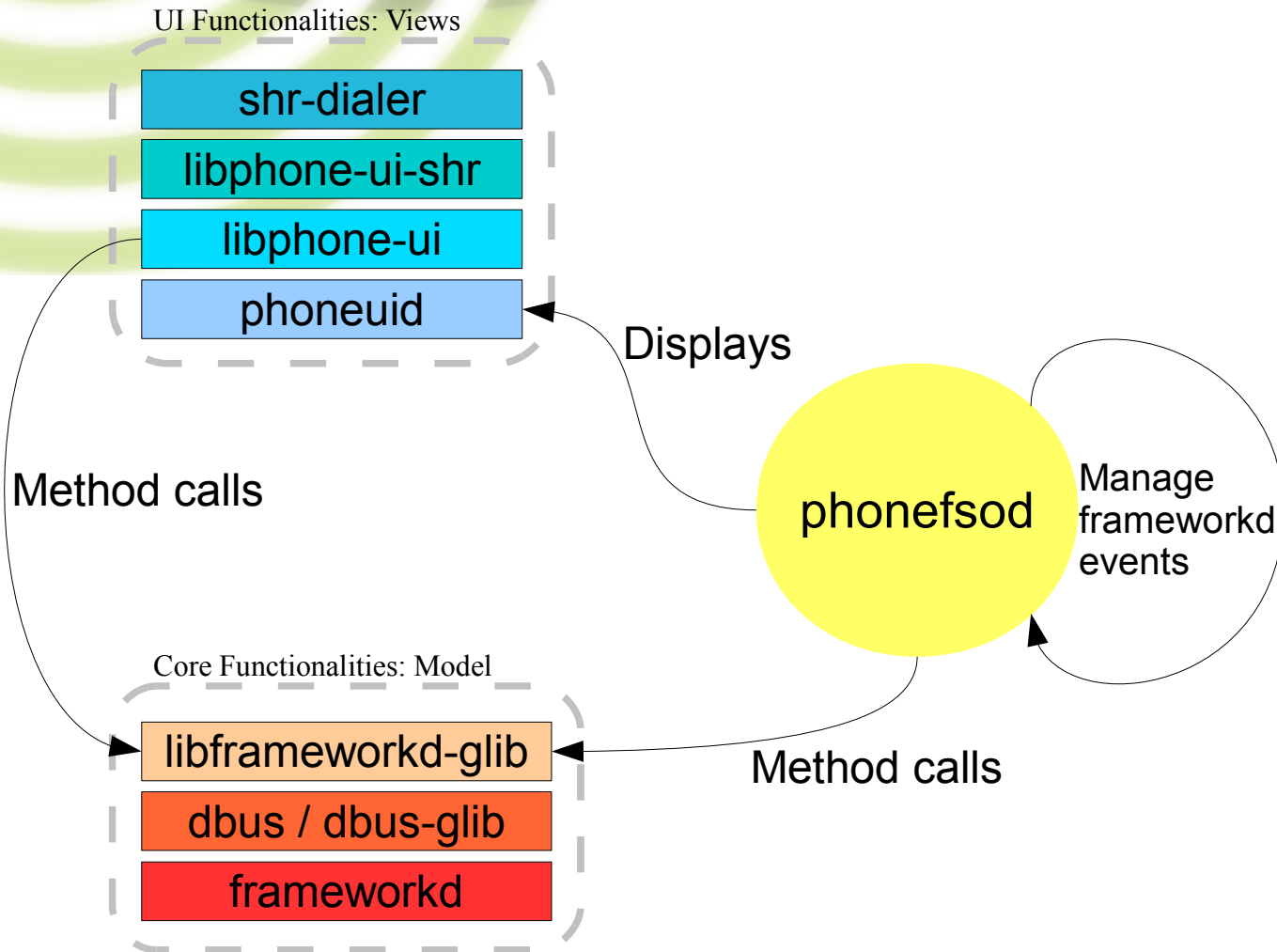
- Makefile¹ for easy setup
 - Sets up complete OE environment
 - Builds everything needed automatically
- local-builds.inc: Easy way for package tests

```
SRC_URI_pn-elementary = "file:///home/thomas/SHR/git/${PN}"  
SRCREV_pn-elementary = "44424+LOCAL"  
S_pn-elementary = "${WORKDIR}/${PN}"
```

- preferred-shr-versions.inc:
Pin older versions when needed

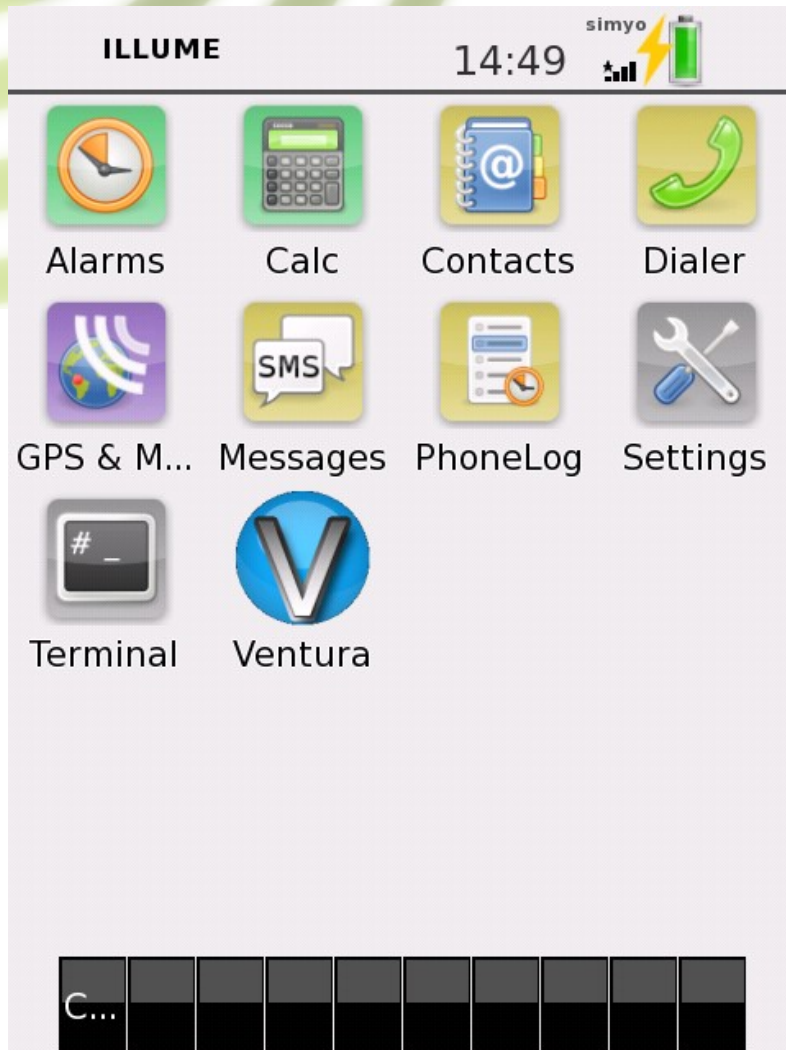
[1] <http://build.shr-project.org/Makefile>

Under the hood



- Model
 - C-Wrapped dbus calls in central lib
- Views
 - Calls the Model for user-initiated actions
- Phonefsod
 - Listens to Model events
 - Launches UI according to event

User Interface

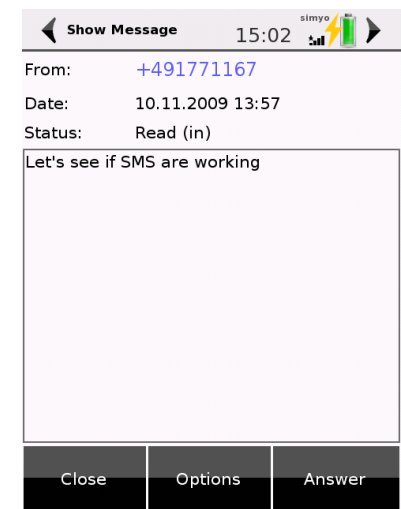
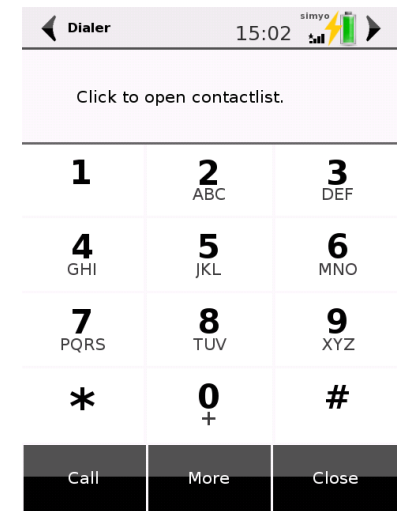


- Xorg xserver 1.7.4
- E17: Illume
- Fast theme from community

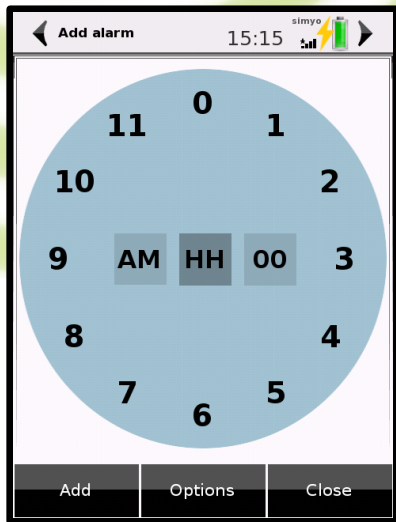
User Interface (2)

Libphone-ui-shr:

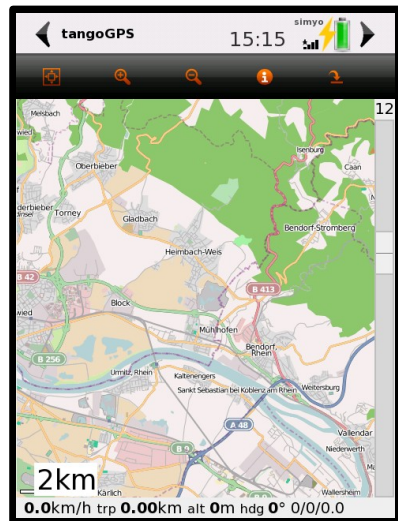
- Main UI library
- Provides:
 - Welcome Screen
 - Dialer
 - Contacts
 - Messages



Apps from Community



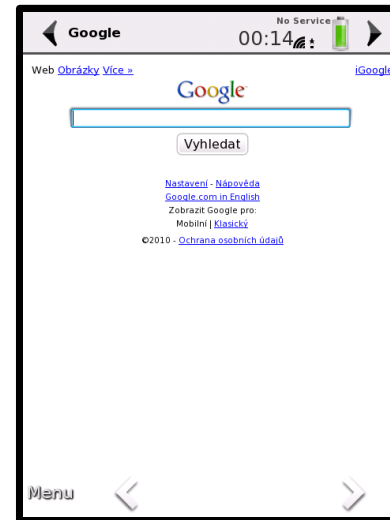
ffalarms



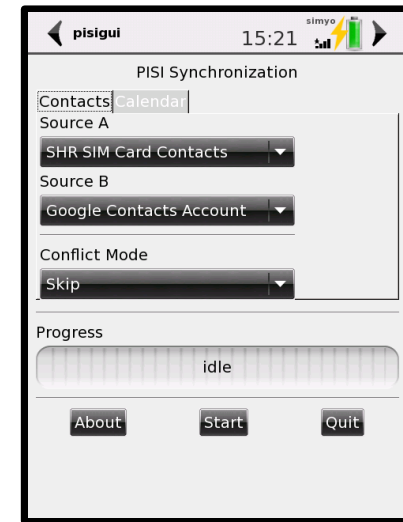
tangoGPS



emtooth



ventura



pisi

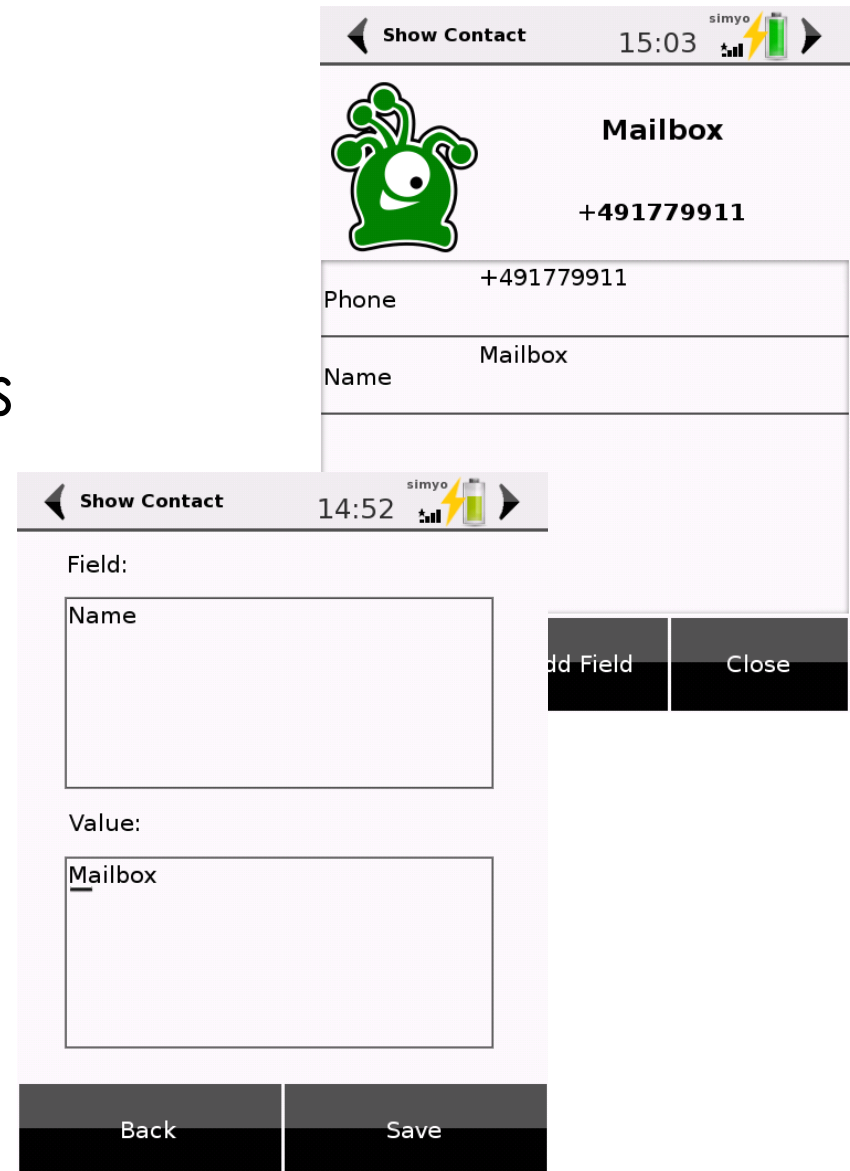
And much more...

Development: What's going on?

- Rewrite of libphone-ui-shr
- Port SHR to more devices
- Future plans

Rewrite of libphone-ui-shr

- Improve contacts editing
- Unify contacts editing and showing
- UI caching for contacts and messages
- Listen to change signals



Port SHR to more devices



Requirements:

- Linux kernel
- Custom image
- FSO support



Future Plans

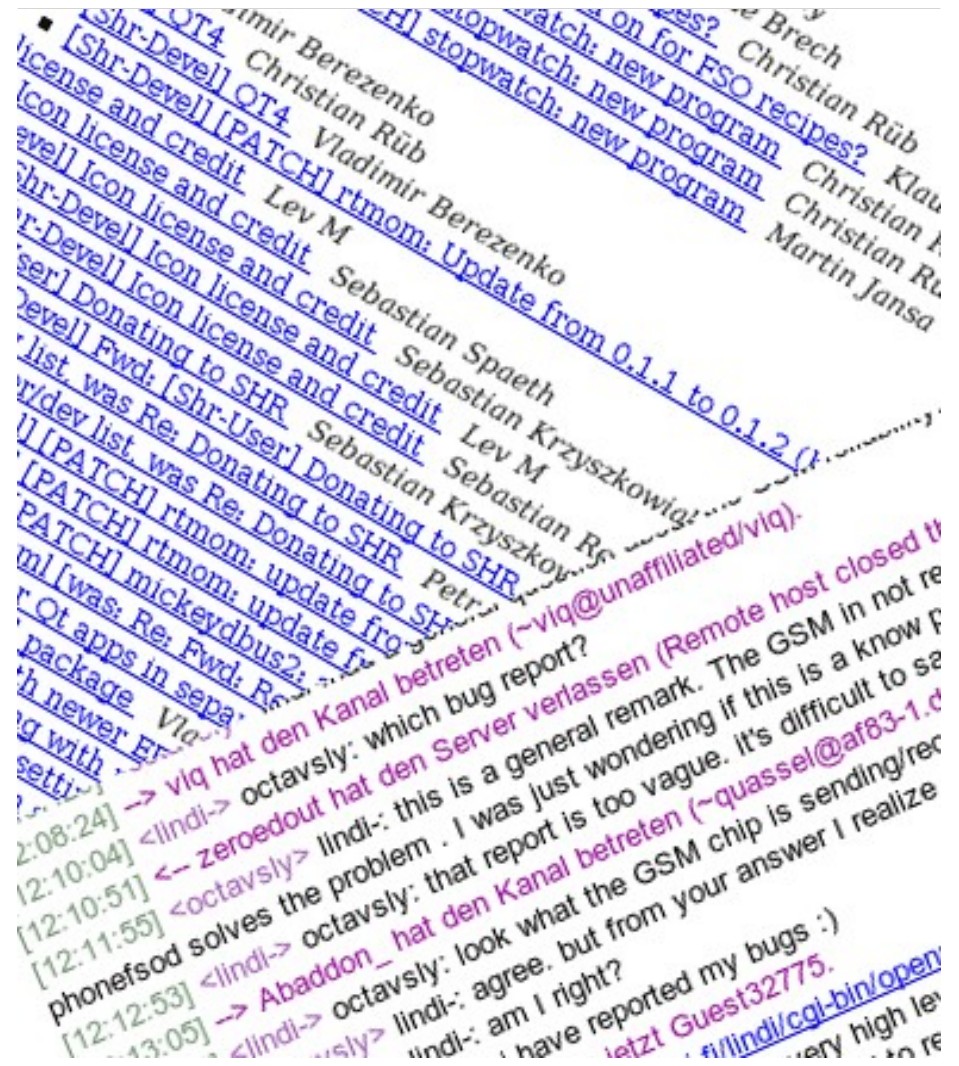
- Faster kernel (nodebug)
- More Cornucopia (FSO 2)
- Bluetooth integration in phoneuid
- Shr-dates
- Support other UI toolkits
- World domination

Community: How does it work together?

- Ways of communication
- Events

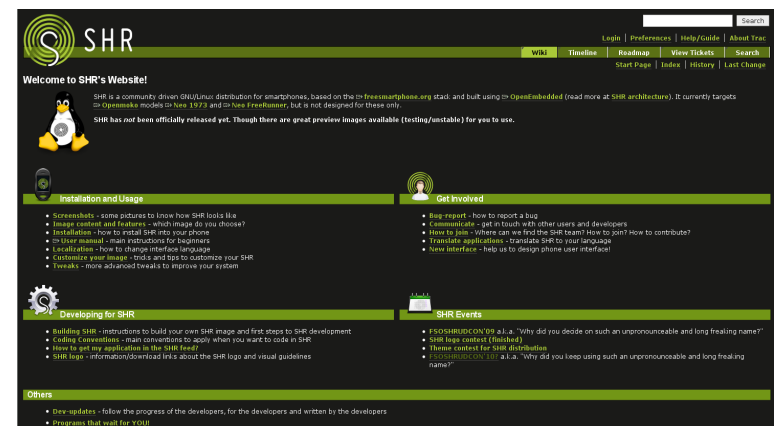
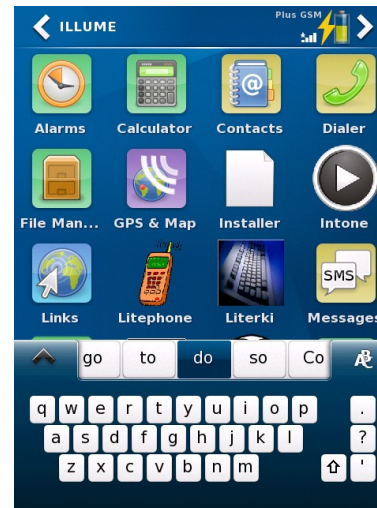
Ways of communication

- IRC: #openmoko-cdevel
@ freenode
- Mailing-lists:
 - Shr-user
 - Shr-devel
- Trac



Events

- Logo contest (closed)
- Theme contest (running)
- Trac redesign (running)
- Phone UI redesign (running)
- FSOSHRCON 2010 (planning)





Q & A

