

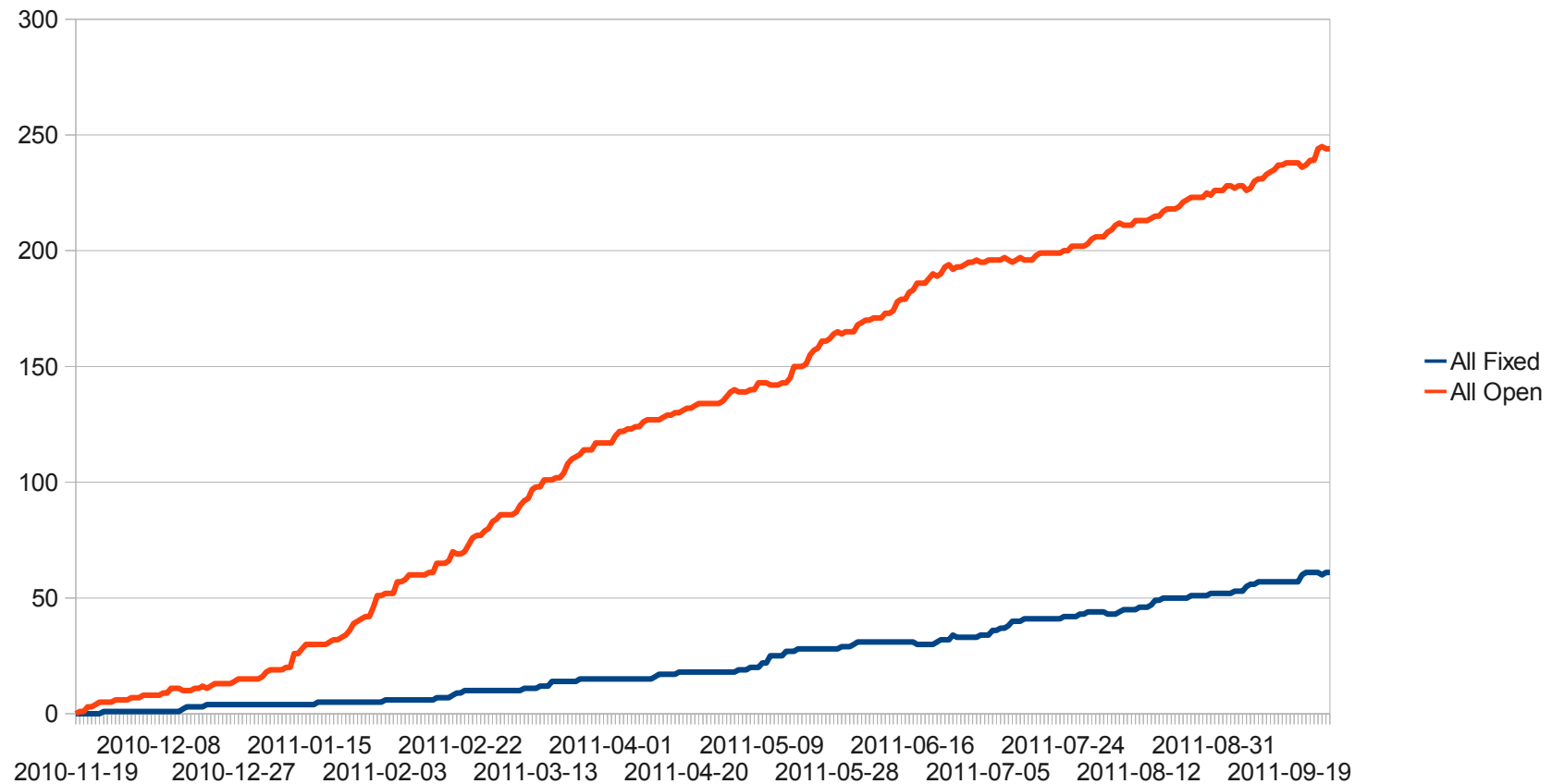
## Impress State of the Union

- ▼ Radek Doulik - SUSE
- ▼ Thorsten Behrens - SUSE

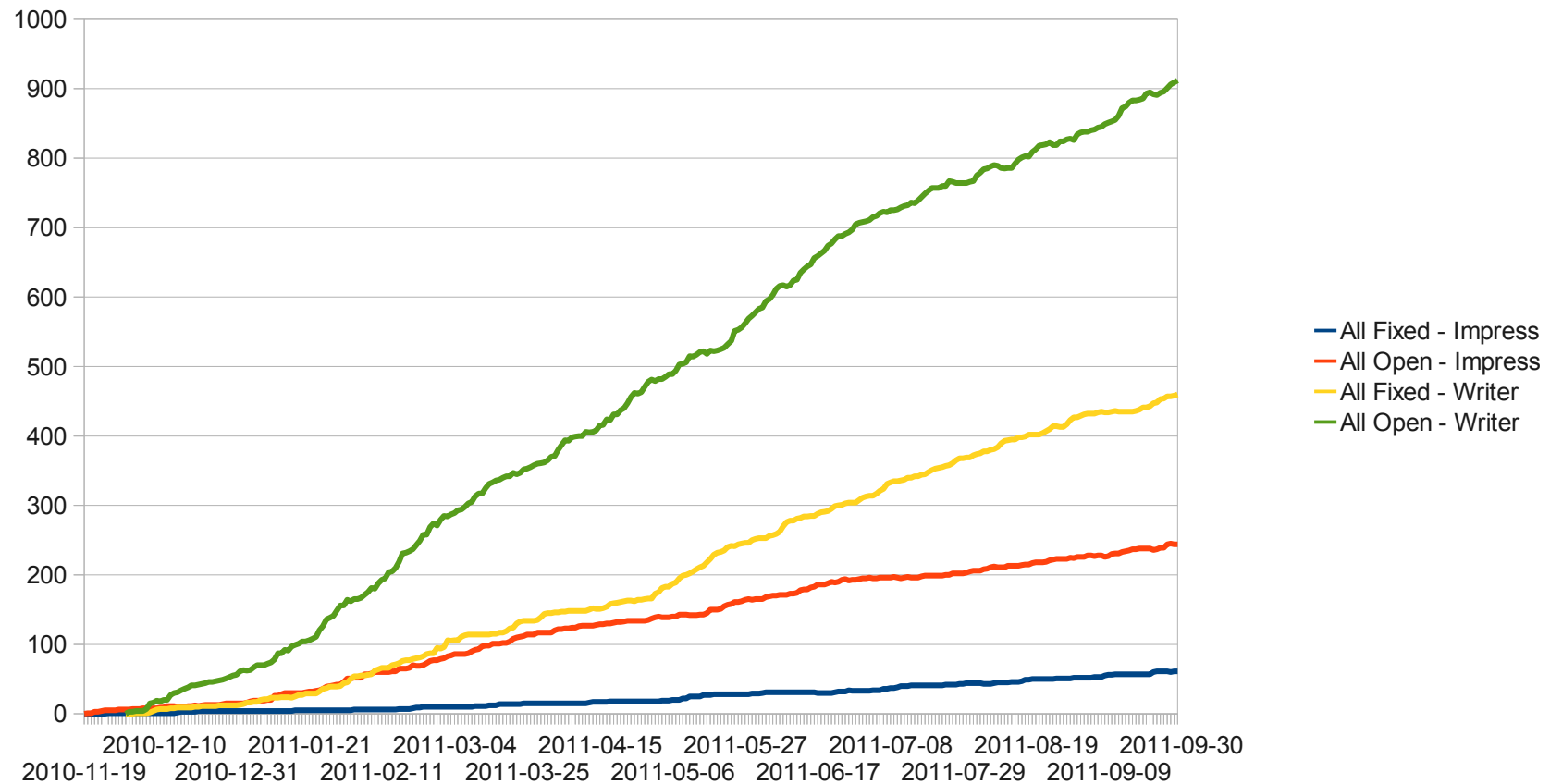
# Overview

- ▼ Some statistics
- ▼ The people behind Impress
- ▼ Feature Work / Demos
  - ▼ SVG Export
  - ▼ SmartArt
  - ▼ CustomShapes
- ▼ Future Ideas

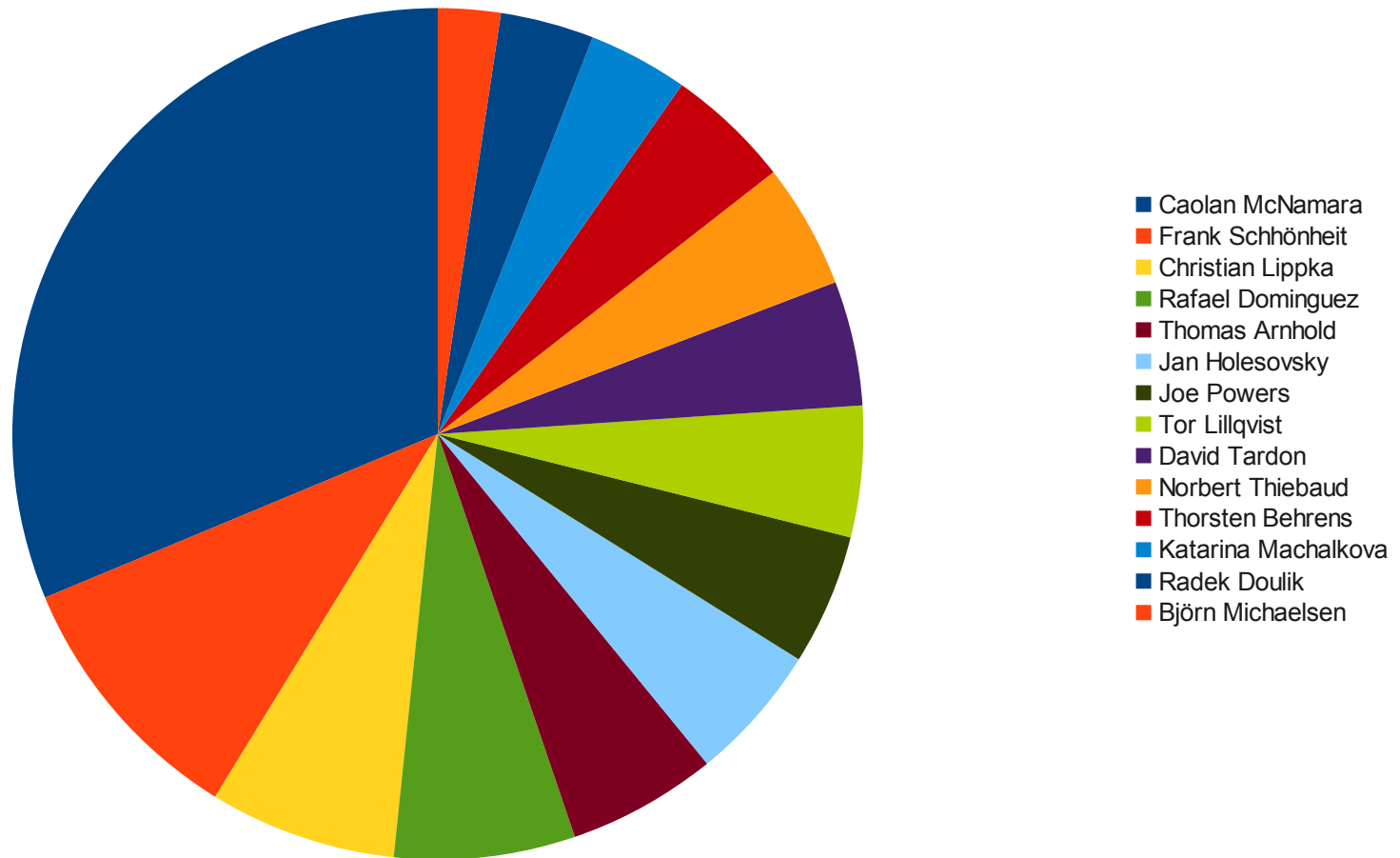
# Past 12 Months – Bugs



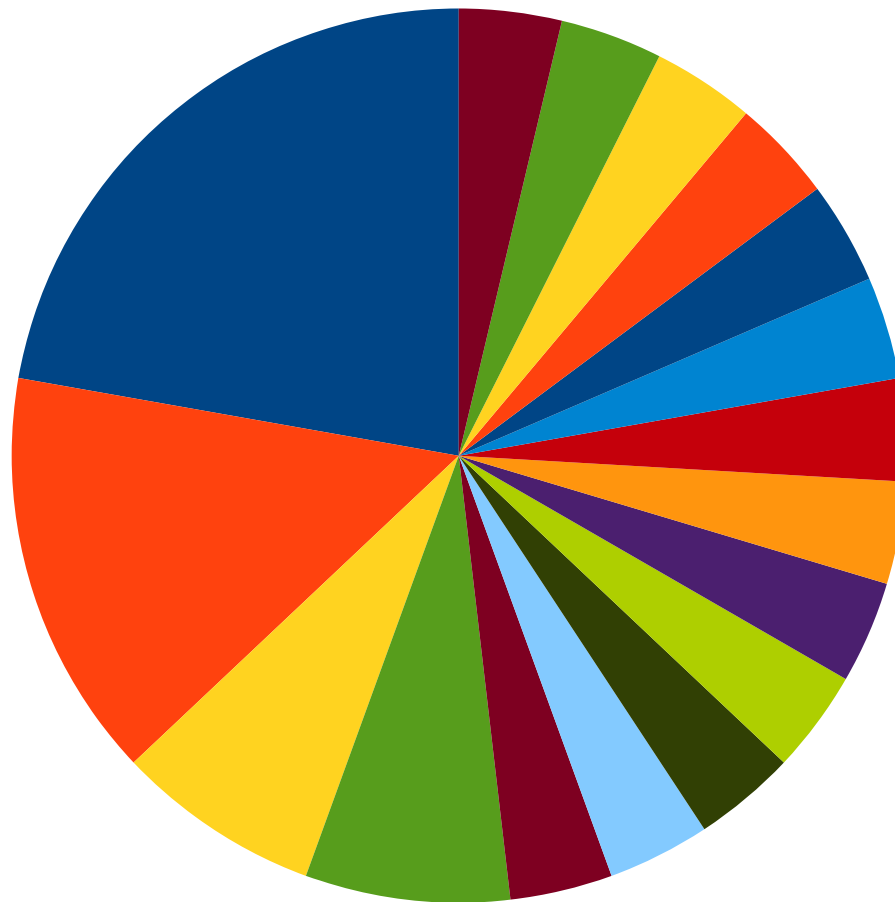
# Past 12 Months – Comparison



# Committers



# Patch Contributors



- Takeshi Abe
- Joseph Powers
- David Tardon
- Thorsten Behrens
- Krishnan Parthasarathi
- Anders Jonsson
- Andy Holder
- Bjoern Michaelson
- callahan@xmission.com
- Christina Rossmanith
- cocofan
- Daniel Di Marco
- Francois Tigeot
- Michael Lefevre
- Michael Meeks
- Peter Rabi
- Xavier ALT

# Active Impress Developers

- ▼ Volunteers
  - ▼ Ivan Timofeev
  - ▼ Peter Rabi
  - ▼ Takeshi Kurosawa
  - ▼ Marco Cecchetti
- ▼ Fulltime
  - ▼ Radek Doulik
  - ▼ Muthu Subramanian K
  - ▼ Thorsten Behrens

# Feature Work

- ▼ Enhanced svg export
- ▼ Interop improvements
  - ▼ CustomShape support
- ▼ SmartArt support



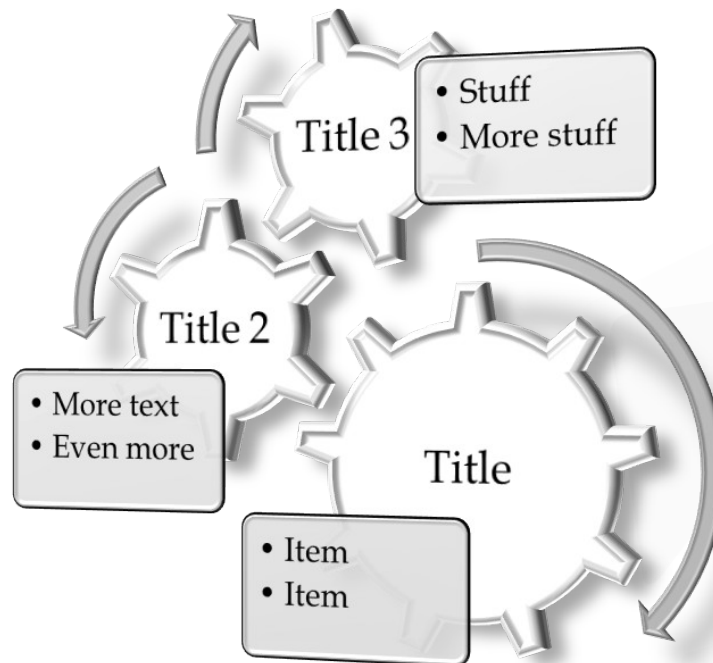
## Enhanced SVG export

If you don't see a demo, you're not at the conference

# SmartArt Support

# What's That?

- ▼ New feature in MSO2k7
  - ▼ quickly create professional-looking diagrams
  - ▼ layout adapts automatically to available text
  - ▼ *Only* expressible in OOXML



# What's the State?

- ▼ Partly supported currently
  - ▼ Linear / circular / text support
  - ▼ Displays like this:

Title 1 sdfsdf	Title 2	Title 3 sdfsdf
<ul style="list-style-type: none"><li>• Item</li><li>• Item</li></ul>	<ul style="list-style-type: none"><li>• Item 213</li><li>• Item 213 sdfsdf</li></ul>	<ul style="list-style-type: none"><li>• Item</li><li>• Item</li></ul>

# PPTX import improvements

Radek Doulik

# PPTX Import

Areas to improve

Smart Art

Custom Shapes

Layout Slides

Smaller issues (text style, placeholders)

# Custom shapes

PPTX import

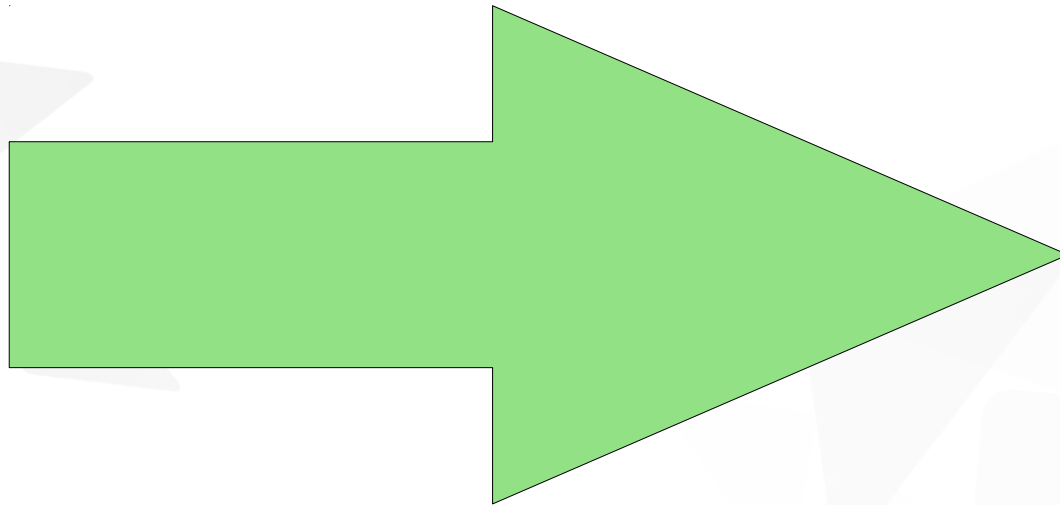
Preset shapes – important feature used in many presentations

Lots of imported documents broken

# Custom shapes

Preset shape is predefined custom shape

Custom shape is “smart” path with handles





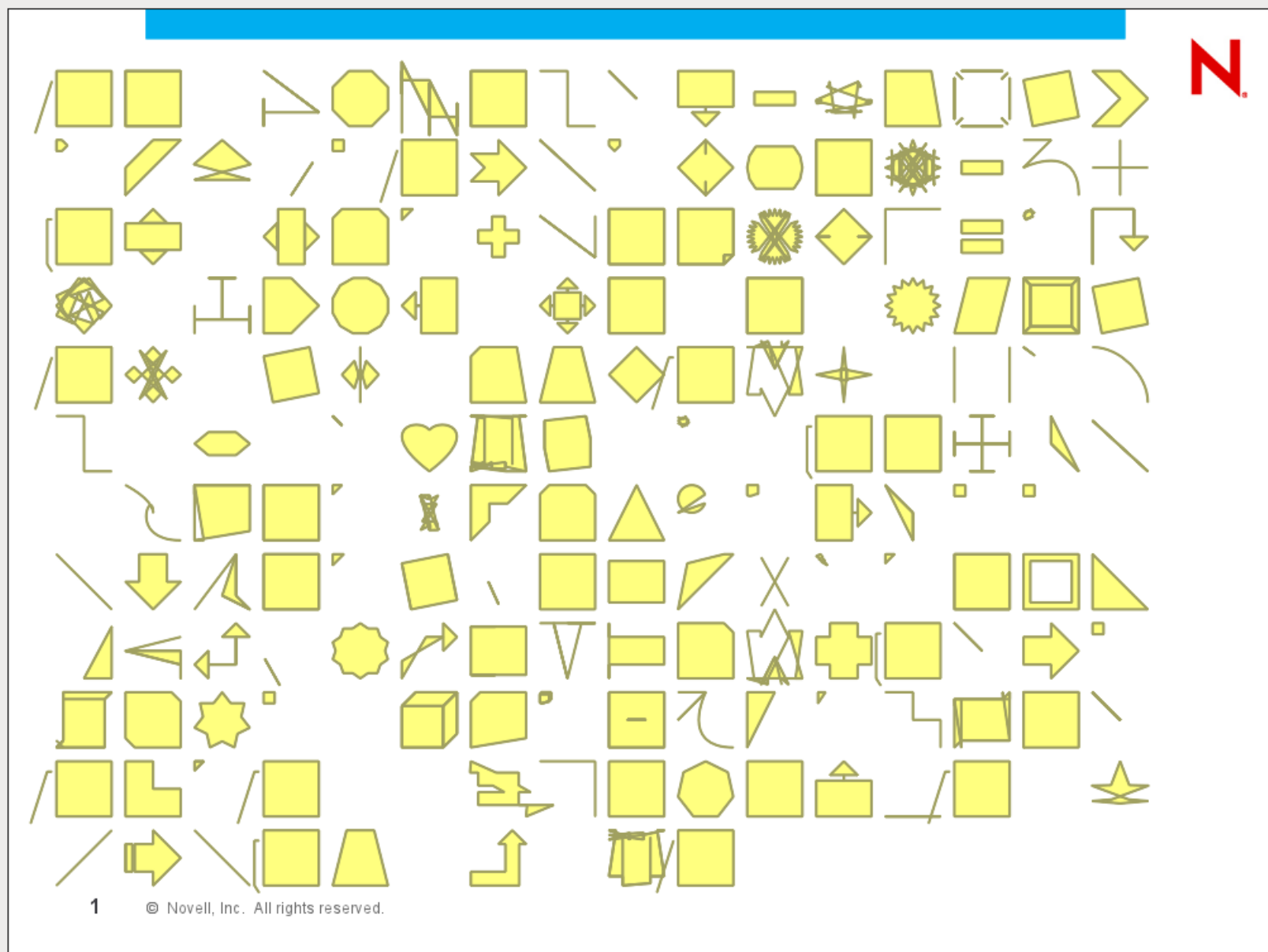
# Custom shapes

Preset shapes in PPTX are different to those used in previous binary MS formats (vml)

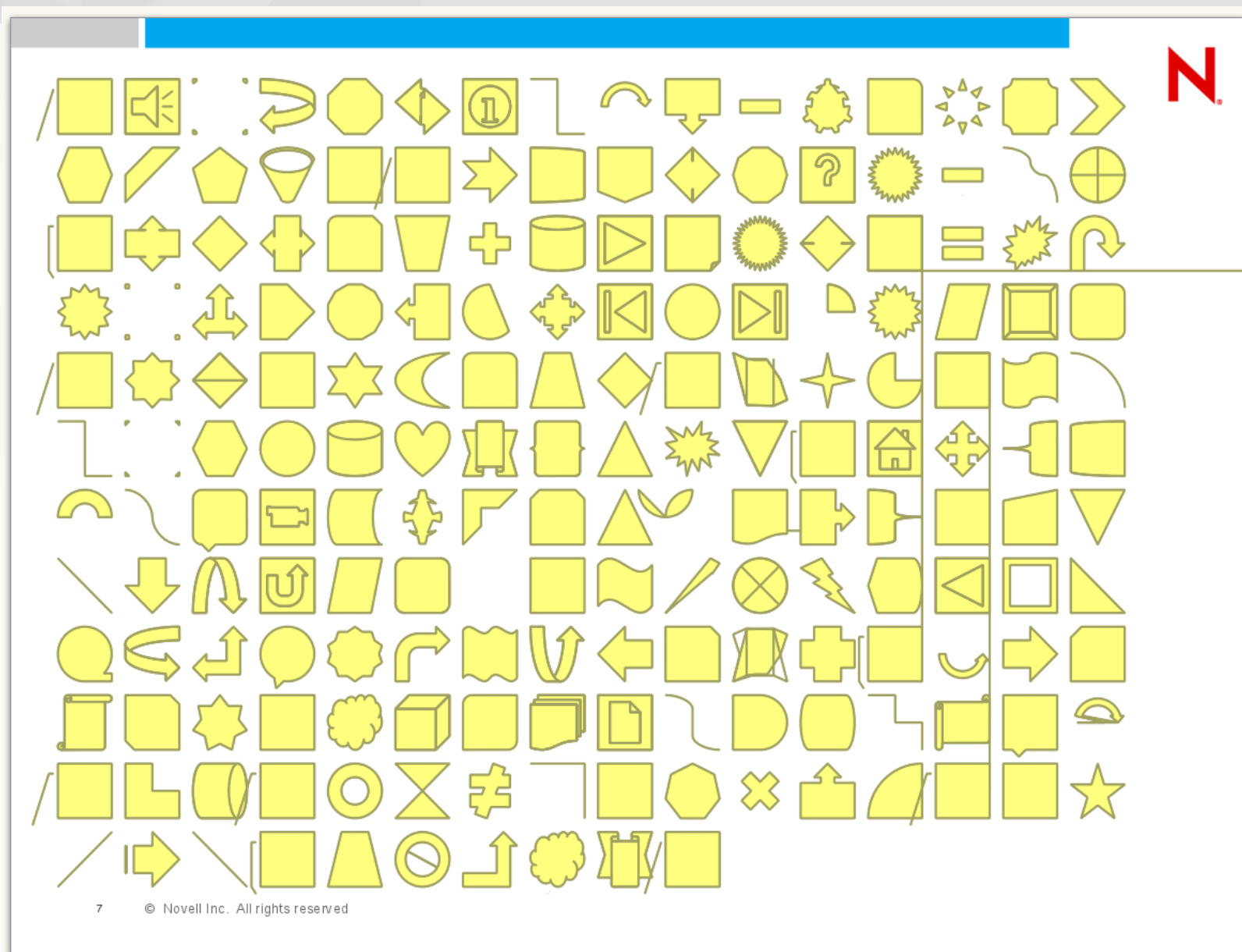
We were missing implementation for new presets and trying to use the old ones – didn't work very well

Custom shapes import was also very incomplete

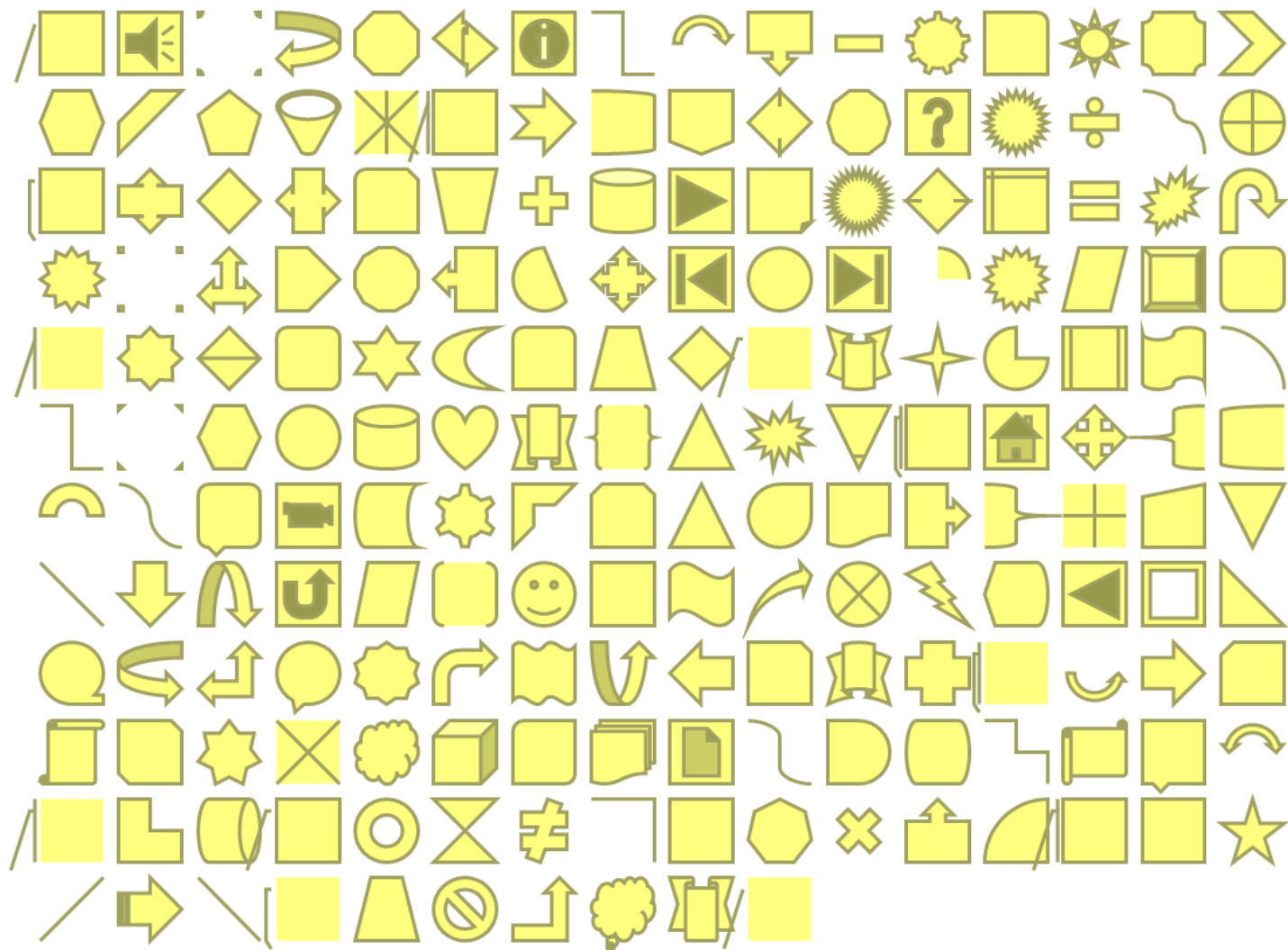
# Original state (3.3.1)



# Current state (master branch)



# MSO



N

# How presets are implemented

Generating the OOXML slide(s) from presets definition

- ▼ part of ISO standard
- ▼ nearly 200 preset shapes

Generated custom shape → loaded into Impress

Impress generates preset shape code

- ▼ area to improve

Generated code included in oox/ sources

# How presets are implemented

Fixed a lot of problems in custom shapes import code

- ▼ elliptical arcs import and processing
- ▼ missing predefined variables, constants
- ▼ some path part types unknown and causing troubles in svx/

# What remains

Few problematic shapes remain

- ▼ debug and trace them to find the problematic areas

Problem with split paths

Problem with fills

Quadratic curves missing implementation

Bevel and shadow

# Wrapping up



# Future Areas to Work on

- ▼ Improve existing functionality
  - ▼ SmartArt
  - ▼ CustomShapes (bevel and shadows etc.)
  - ▼ Slideshow
- ▼ Improve interop
- ▼ Mobile app for presenting / remote-controlling
- ▼ Make Impress master pages copyable
- ▼ Make Layouts editable
- ▼ Attach Impress animations to styles
- ▼ Better Themeing
- ▼ ...

## Thank you!

- ▼ See you on IRC – and at the next LibreOffice Conference for sure!
- ▼ Find out more at <http://www.libreoffice.org/get-involved/developers/>



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