

Offline Mobile Apps with XForms



Improve your Time to Market

21 November 2013

www.inventivedesigners.com

About me

- Nick Van den Bleeken
- R&D Manager at Inventive Designers
- Editor of the XForms specifications
- @nvdbleek
- <https://plus.google.com/+NickVandenBleeken>



Agenda

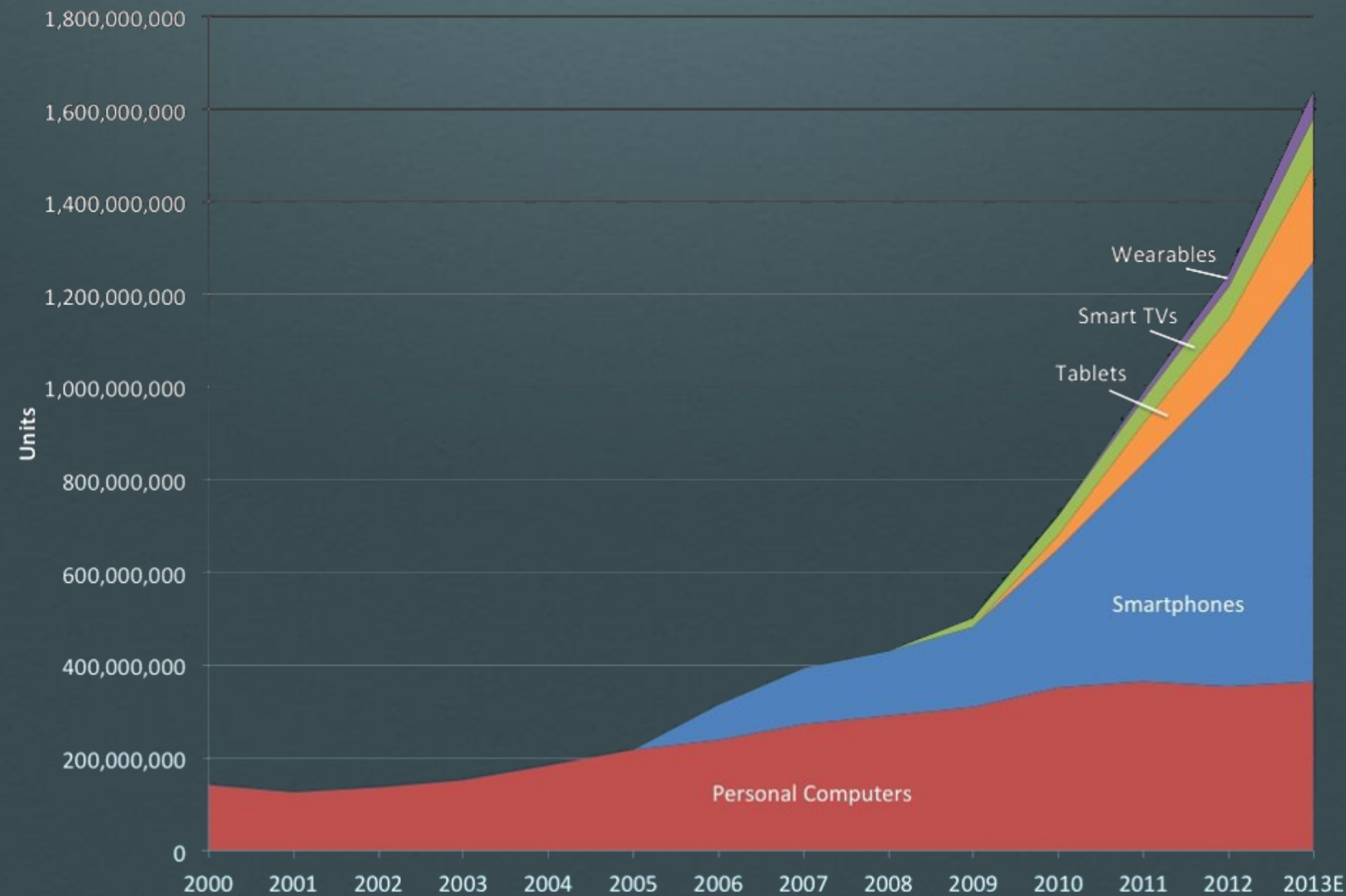
Mobile App Development

Offline First Principle

Why we use XForms

Demos

Global Internet Connected Device Shipments



Source: Gartner, IDC, Strategy Analytics, Company Filings, BI Intelligence Estimates

Interact With Your Customers

- In the past
 - Static information presented on paper
 - Paper forms had to be filled in by hand
- In digital world
 - Information via email or PDF
 - Paper forms transformed to e-forms
- In mobile world
 - Mobile interactive communications
 - Apps and mobile websites

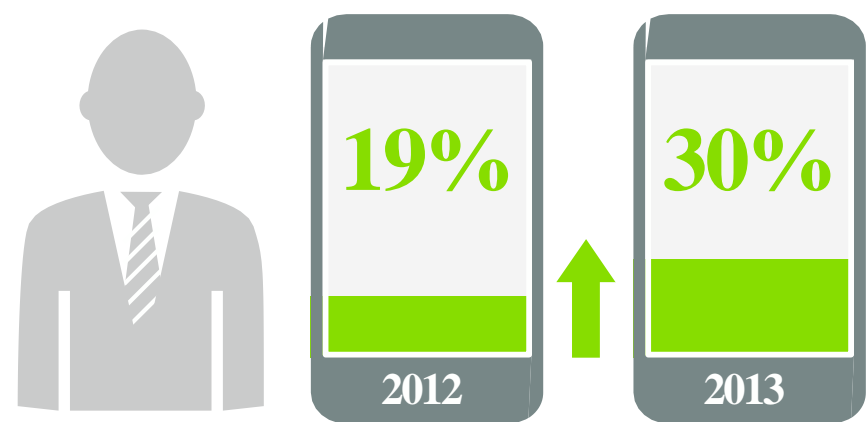
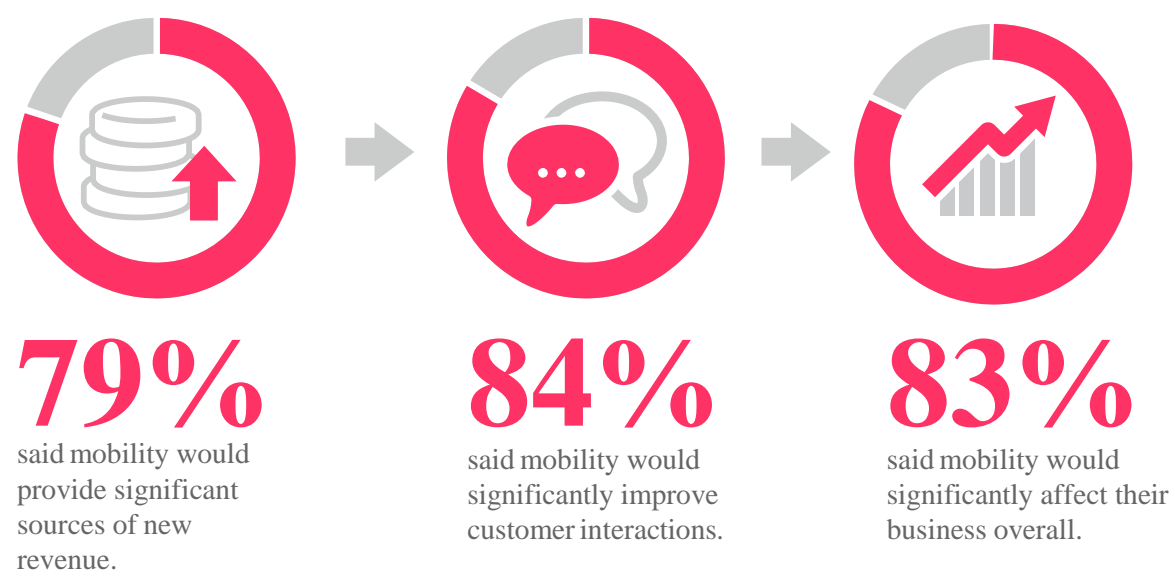
➔ Rethink the interaction models



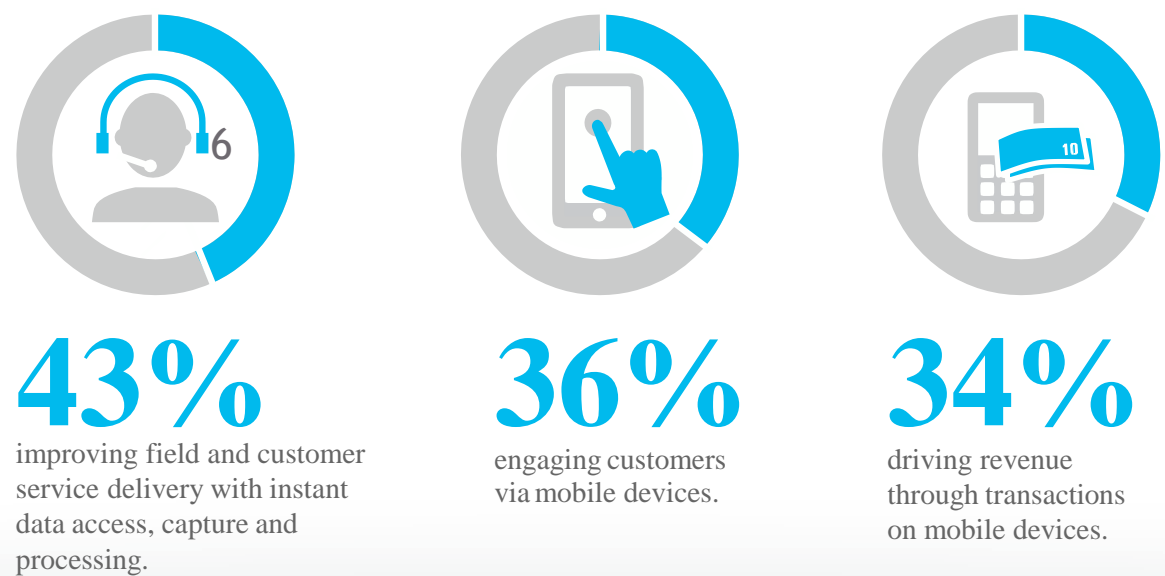
The Accenture 2013 CIO Mobility Survey

CIOs worldwide see mobility as key revenue generator and primary channel for customer engagement

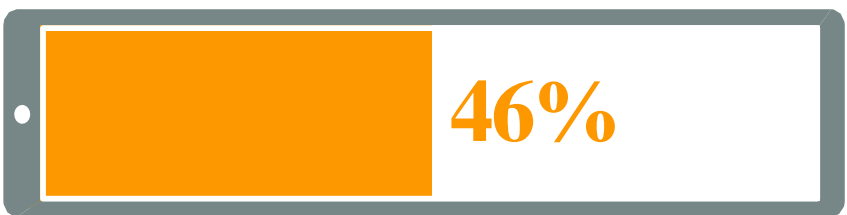
This year's mobile investments are targeting revenue generation and the consumer experience.



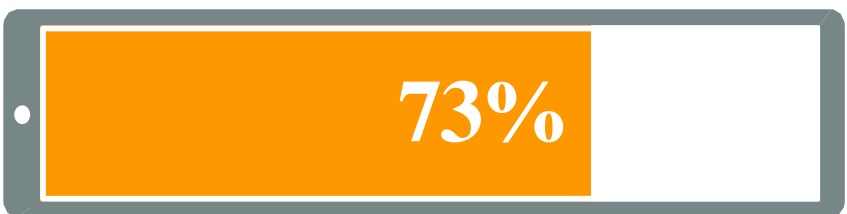
Most CIOs plan to invest more than a third of their discretionary IT budgets in mobility. Compared with only 19% of CIOs surveyed last year.



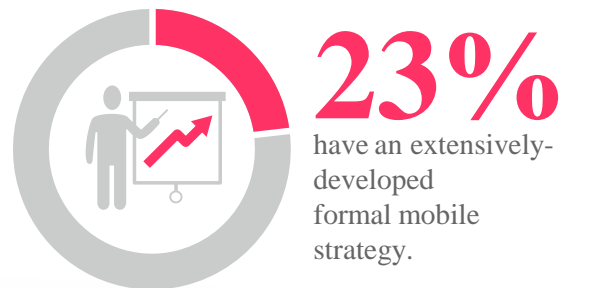
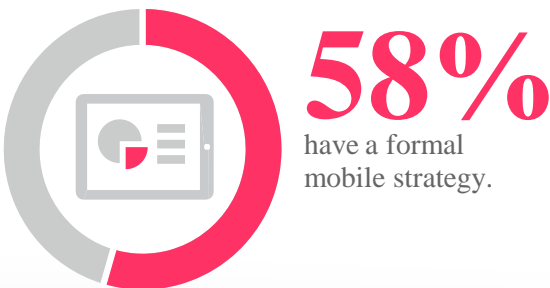
46% plan to make workflow changes to better incorporate mobility in the business.



73% believe mobility will impact their business as much, or more than, the web revolution of the late 90s.



Progress in mobile strategy varies



App Development

- Developed by developers
- Including the visualization of information

“Building a good banking app can easily take many man-years to build, without even considering the maintenance afterwards.”



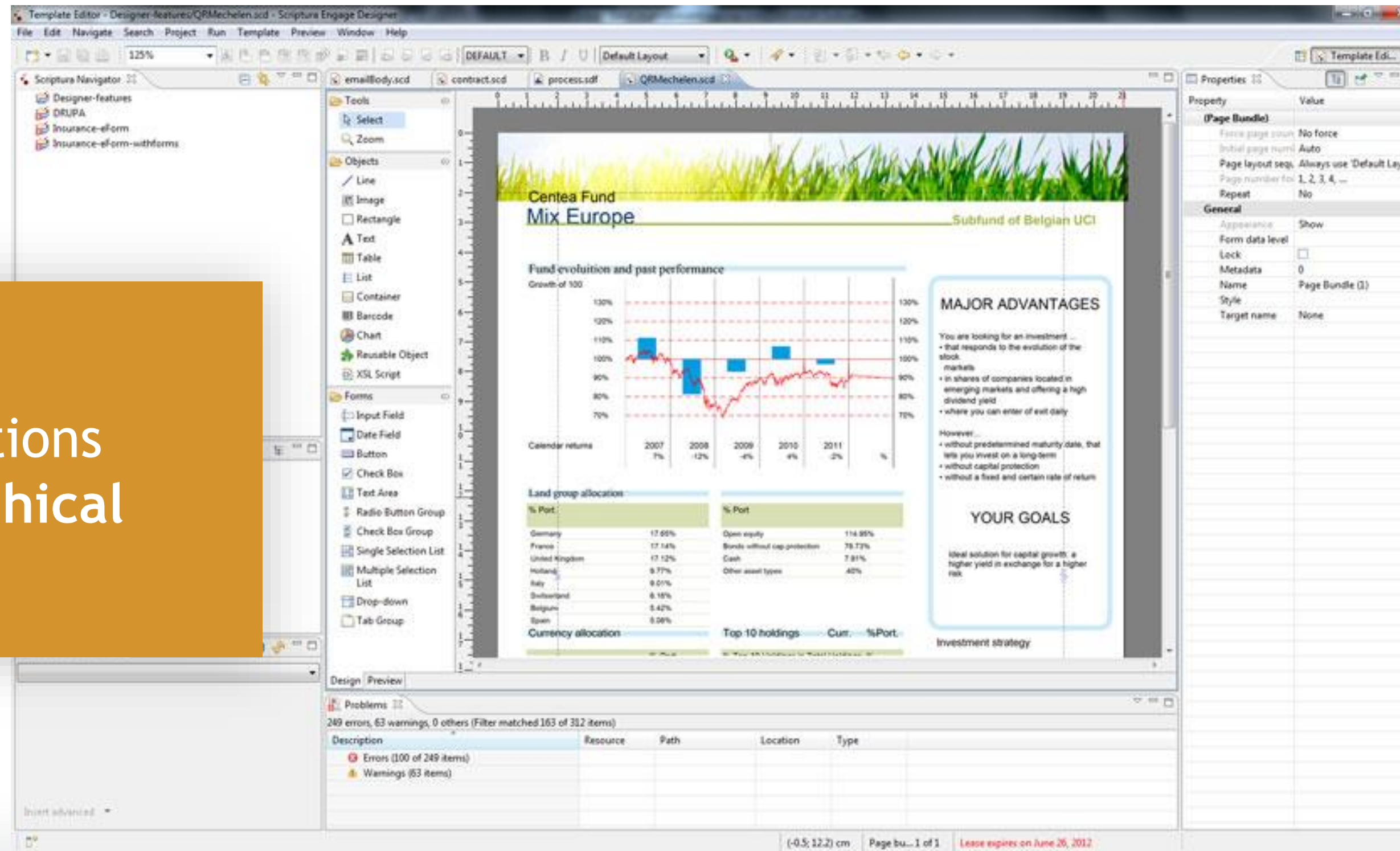
Paradigm Shifts

- Documents
 - 15 years ago, documents were scripted/programmed
 - Now, they're graphically designed
- Electronic Forms / Web Applications
 - Have gone through the same
- Mobile apps
 - Are currently custom built by programmers
 - More and more apps need to be maintained
 - Shift towards graphical design



Communication Designer

Design your communications using a graphical tool.



Multichannel

Communicate with
your customers in
the way they prefer.



Demo

Graphical design of interactive forms

Why we use XForms

- Open standard defined by W3C
- Cross device (Desktop and Mobile)
- Host language independent (XSL-FO and HTML)
- Extensibility / Declarative
- Model View Controller / Self contained
- Plays nicely in the XML stack



Connectivity

- Mobile devices are **almost** always and everywhere online
- But bad or no cellular connectivity:
 - In particular areas on trains
 - In some buildings (especially in lifts and basements)
 - On planes
- And only 20% of shipped tablets are cellular enabled



Offline First Principle



Mobile Sync

- Sync relevant assets
- Multiple users on a single tablet
- Multiple devices for a single user
- Unstable network connections
- Scalability



Demo

Dynamic statements using XForms on a tablet

XForms enables the next step in the evolution of mobile apps



Questions?

Twitter: @nvdbleek

Plus: <https://plus.google.com/+NickVandenBleeken>



21 November 2013

www.inventivedesigners.com