



## Case study in responsive (re)design for DSpace

**Tom Breineder** 



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Case study in responsive (re)design



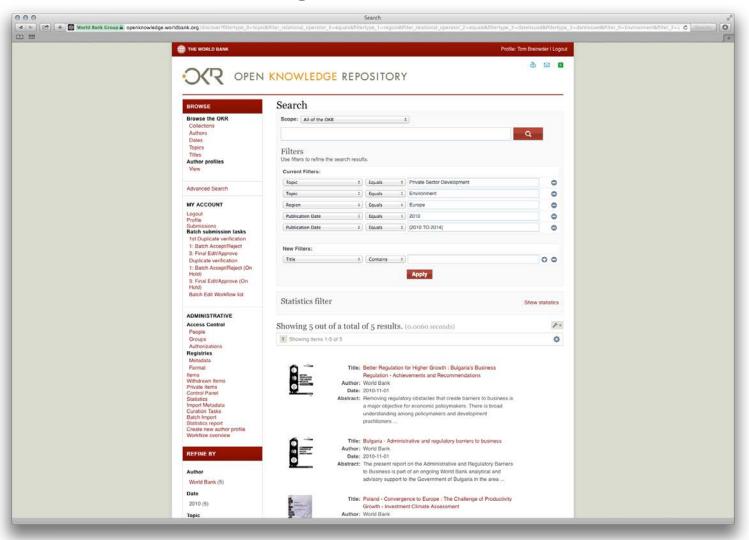
A critical audience for the OKR is research groups in developing countries, where mobile access is significant.

In Uganda, more than 95% of internet connections are mobile.



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#### Non-responsive design



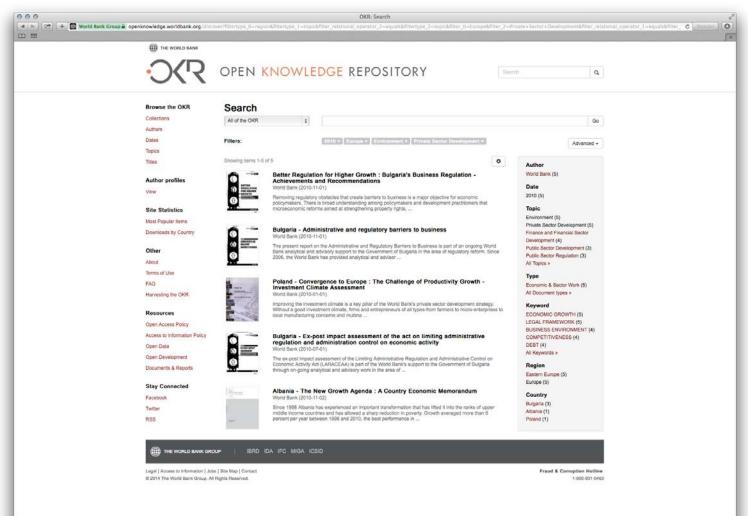


## Non-responsive design (phone)

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#### New design





## New design (phone)

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New design strategy

- Simplify
- Flat, neutral design
- Less image heavy
- Larger, higher resolution images for cover thumbnails
- Draw focus to content
- Revise layout to give a natural hierarchy to content
- Assists in the reordering of content sections in responsive UI



Case study in responsive (re)design

**Responsive UI strategy** 

Collapse controls according to display size Main navigation

- ✦ Browse by, etc.
- Facets
- **Collection list**



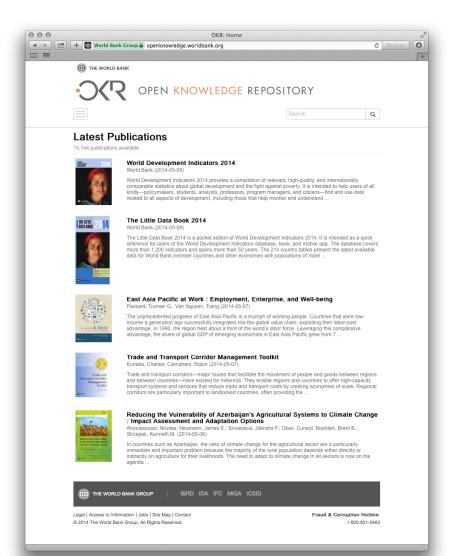
## Functionality

- Don't dumb down functionality based on device type, as this will dictate the user's behavior
- Navigation
- Increase size of buttons and margins of links for mobile UI
- Simplify the interface
- Maintains consistency and eases the user's transition across different UI resolutions



## Main navigation

- Portrait orientation
- Navigation collapsed





## Main navigation

- + Portrait orientation
- Navigation expanded

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	Authors	2014	World Development Indicators 2014 World Bank (2014-05-09)
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	Most Popular Items		East Asia Pacific at Work : Employment, Enterprise Packard, Truman G.; Van Nguyen, Trang (2014-05-07)
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	Other	<b>B</b> ees	
	About	- 69	Trade and Transport Corridor Management Toolkit Kunaka, Charles; Carruthers, Robin (2014-05-07)
	Terms of Use	Trade and Transport Corridor Management Toolkit	Trade and transport corridors—major routes that facilitate the mover and between countries—have existed for millennia. They enable reg transport systems and services that reduce trade and transport cost
	FAQ	California Enternador Brenn	corridors are particularly important to landlocked countries, often prc
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		concessions in Latin America, the paper examines the p	robability of renegoti	
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		Gender Gap in Parents' Financing Strateg Evidence from India	y for Hospitalization of T	heir Children :
		Asfaw, Abay; Lamanna, Francesca; Klasen, Stephan (20	010)	
		The 'missing women' dilemma in India has sparked grea	t interest in investigating gender di	scrimination in the
		provision of health care in the country. No studies, howe care financing strategies in the case of severe illness of	ver, have directly examined discrin	nination in health-
		that households who face tight budget constraints are m		er, we nypomesize
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		Bandyopadhyay, Sushenjit; Humavindu, Michael; Shyan	nsundar, Priya; Wang, Limin (2009)	)
		This article evaluates the benefits of community-based a three questions. Do community conservancies contribute	activities in wildlife conservancies in	n Namibia by asking
		programmes pro-poor; that is, do they improve welfare r	nore for poorer households than fo	
		participation in conservancy increase household welfare	more for participants than non	
		Trust in Transition: Cross-Country and Fin		
		Raiser, Martin; Rousso, Alan; Steves, Franklin; Teksoz,		
		Using data from a large survey of firms across 26 transit in business relationships by measuring the level of prepare	ion economies, this article assesse avment demanded by suppliers, wi	es the extent of trust nich we interpret as a
		measure of (dis)trust. We investigate a range of potentia	I determinants of trust and find that	t trust among
		businesses is higher where confidence in third party enf	orcement through the le	
		Determinants and Macroeconomic Impact		aharan Africa
		Singh, Raju Jan; Haacker, Markus; Lee, Kyung-woo; Le		
		This paper investigates the determinants and the macro assembles the most comprehensive data set available s	economic role of remittances in su to far on remittances in the region:	b-Saharan Africa. It it comprises data for
		36 countries for 1990 through 2008, and incorporates ne	ewly available data on the size and	location of the
		diaspora. We find that remittances are larger for countrie	es wich a larger diaspora o	
		What's Not Converging? East Asia's Rela	tive Performance in Incom	ne, Health, and
		Education Kenny, Charles (2008)		
		This paper discusses East Asia's performance in terms	of per capita gross domestic produ	ct growth rates over



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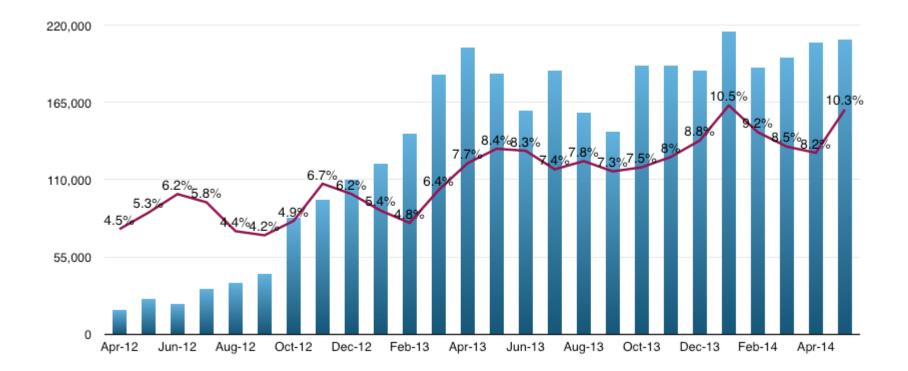
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Image: Second Secon	Jobs provide higher earnings and better benefits as countries grow, but they are also a driver of development. Poverty fails as people work their way out of hardship and as involvers get better at what they do, as more productive jobs appear. In all less productive ones disappear. Societies fourtish as jobs bring together people from different ethnic and social backgrounds and provide alternatives to controller. Jobs are thus more than a byproduct of economic growth. They are transformational—they are what we earn, what we do, and even who we are. High unerployment and ummet job expectations among you than the time ost immediate concerns. But in many developing countries, where farming and self-enployment are prevalent and self-ly networks at best, unerployment rates can be low. In these countries, growth is seldom jobless. Most of the poor work toge hours but simply cannot make earls mest. And the violation of basis they do violation and provide are needed. Contronted with these challenges, policy makers ask difficult questions. Should countries but it they relevant the violation of basis they development payoffs are needed. Contronted with these challenges, policy makers ask difficult questions. Should countries but it they relevant the violation of basis to use workers, be protected? And is there a nick that policies supporting job creation in one country will come at the expense of bobs in three countries? The Wold Development Tayoffs 2013. Jubs offers at mixer that policies supporting job creation in one country hippes of jubs- rule jubs formal weight policy response vary across countries, depending on their lives of diver countries. The Wold Development Report 2013. Jubs offers at they policy response vary across countries, depending on their lives of diver countries. The Wold Development Report 2013. Jubs offers at they policy response vary across sectors and shows that the bet policy response vary across sectors and shows that the bet policy response vary across sectors most job
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#### Graph of mobile traffic % and PDF downloads





#### Future

- Include filetypes that are mobile friendly
- ✦ XML, ePub
- Update statlets to be responsive
- + E.g. 3 months of data for phone, 12 months for tablet etc.
- Improve layout of user controls
- Contextual layout is even more important for navigation on a phone
- E.g. the control for filtering should be close to the search results





The development of the OKR interface is in partnership with @mire and based on Mirage 2.

The source code for the beta is available at <a href="http://atmire.com/website/?q=download-mirage-2">http://atmire.com/website/?q=download-mirage-2</a>





## Thank you



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