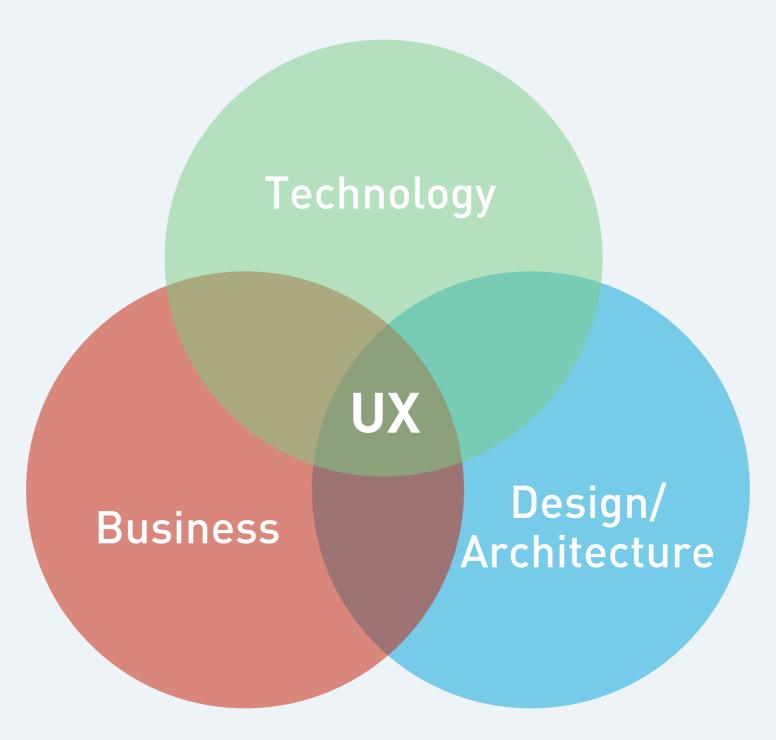


Welcome! Designworkshop II Summer Term 19

What are we doing here?

User Experience Design



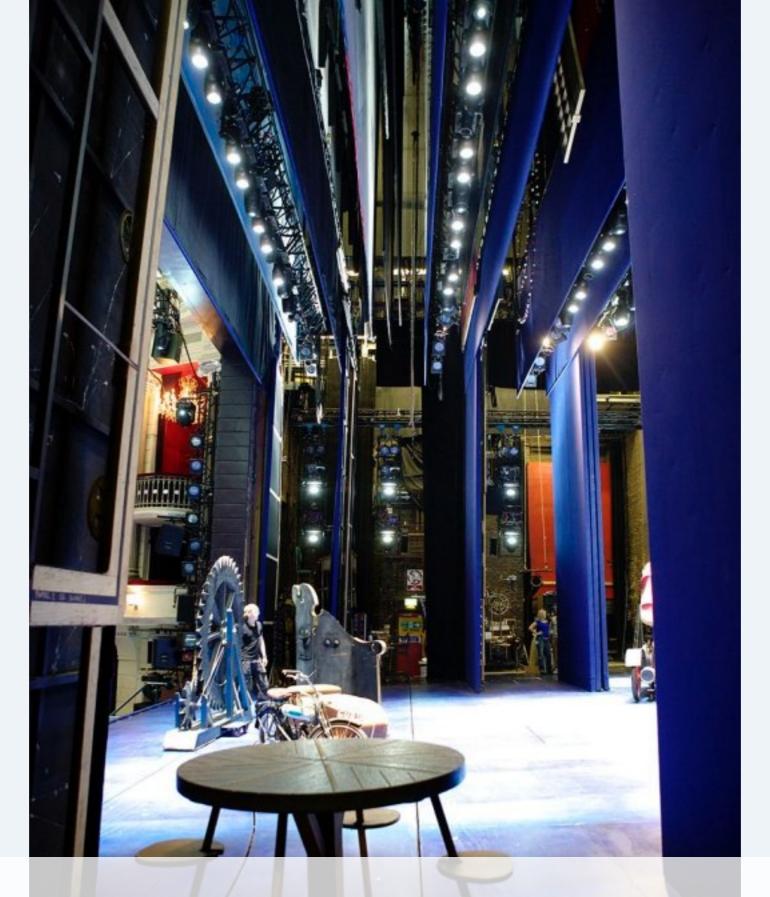
Getting the right Design and the Design right...

Bill Buxton - Sketching User Experiences



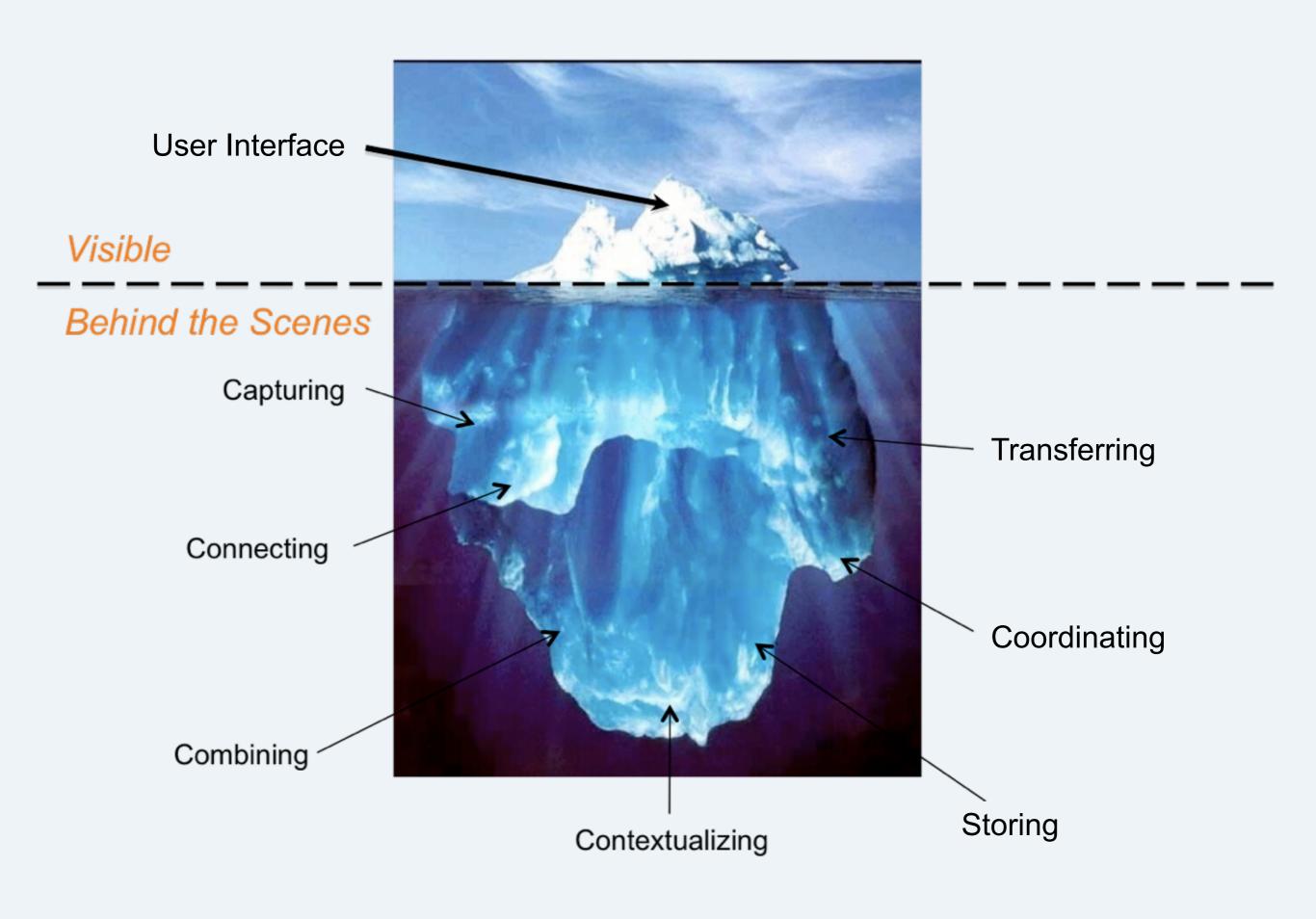
Front Stage

http://www.markabull.com/wp-content/uploads/2011/01/stage.jpg

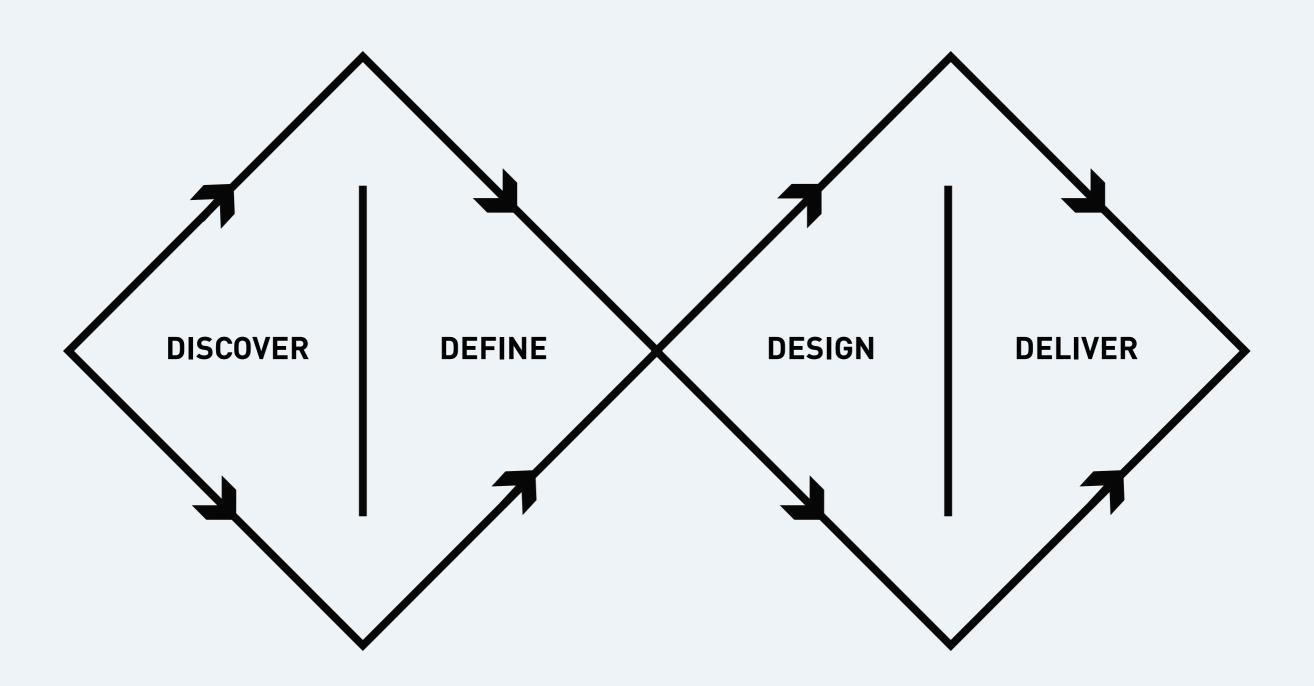


Back Stage

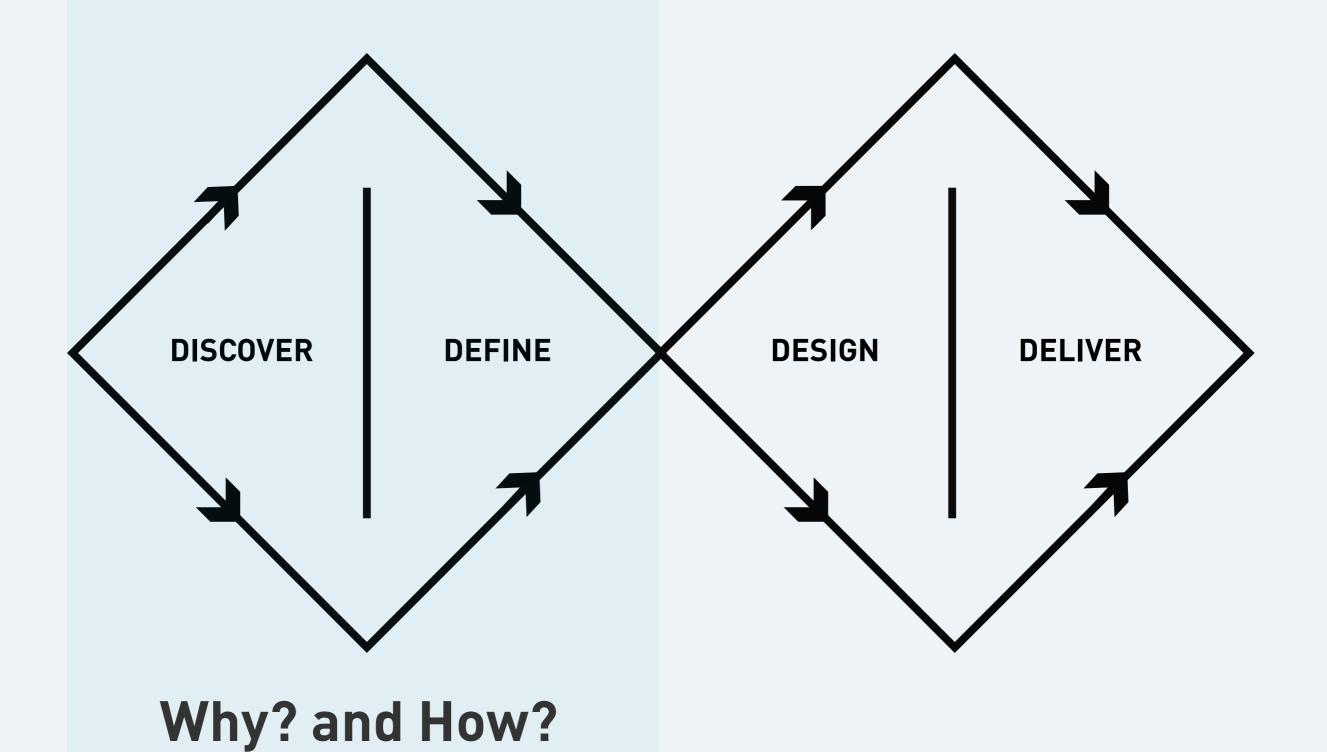
http://blog.entrepreneurthearts.com/etablog/wp-content/uploads/2010/08/backstage.jpg



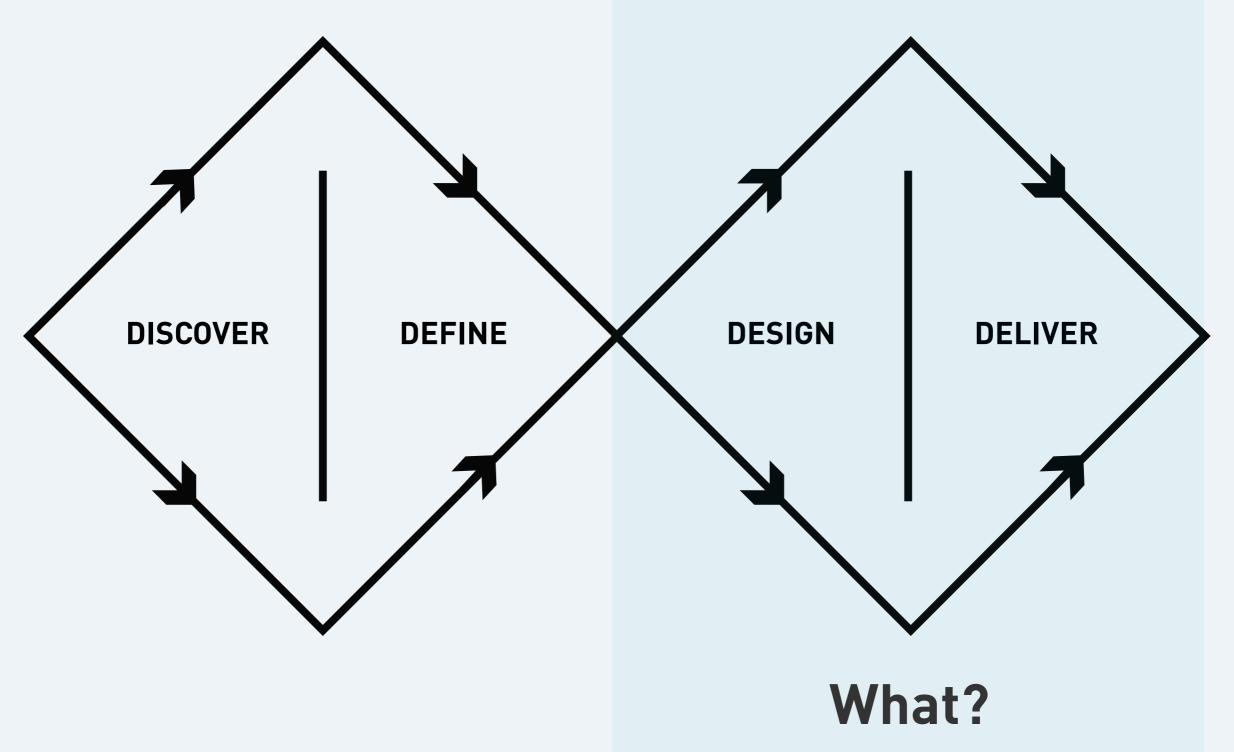
Double Diamond

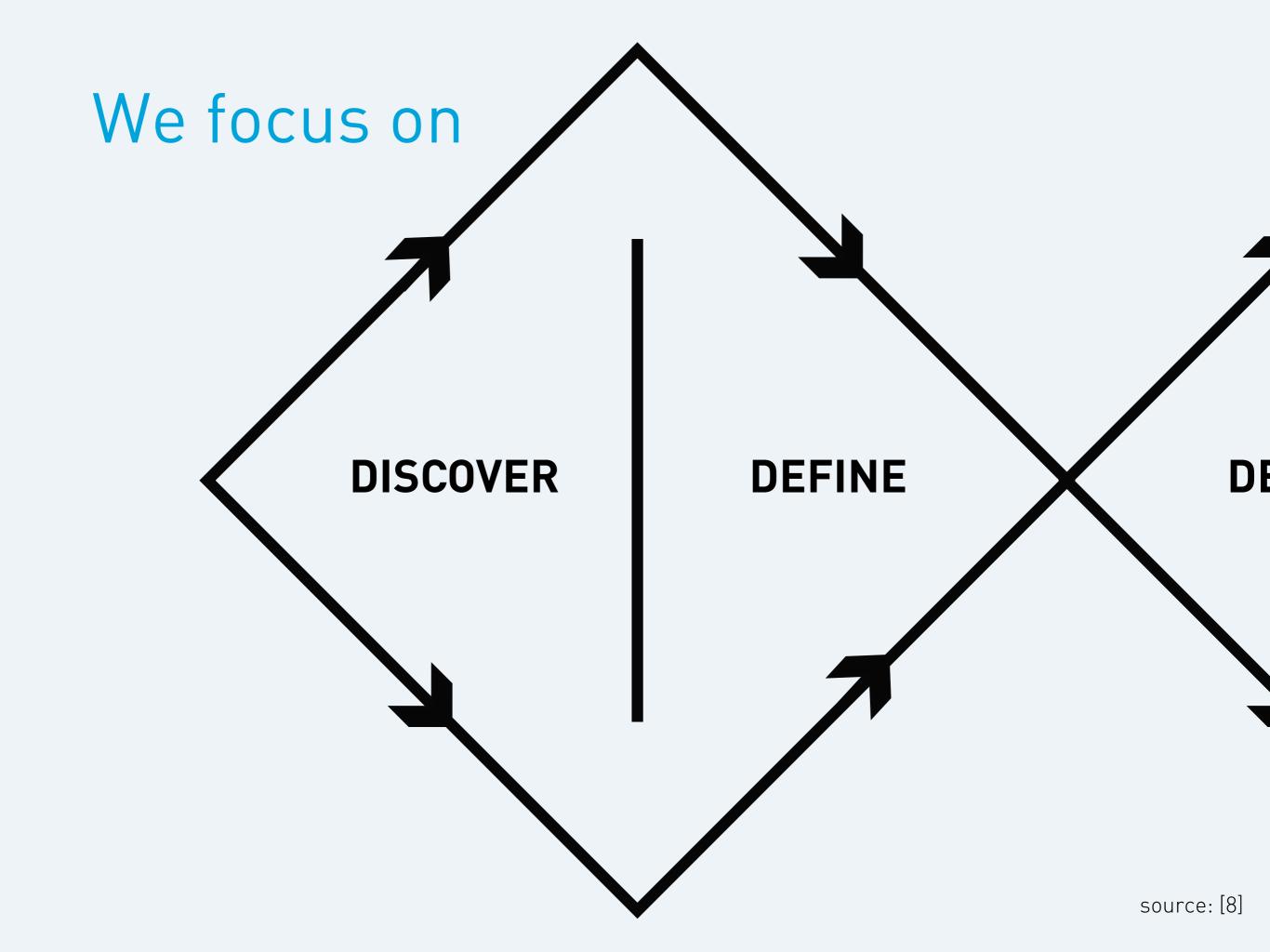


Double Diamond



Double Diamond





Overview

DISCOVER

DEFINE

Research

Innovate

Prototype

Overview



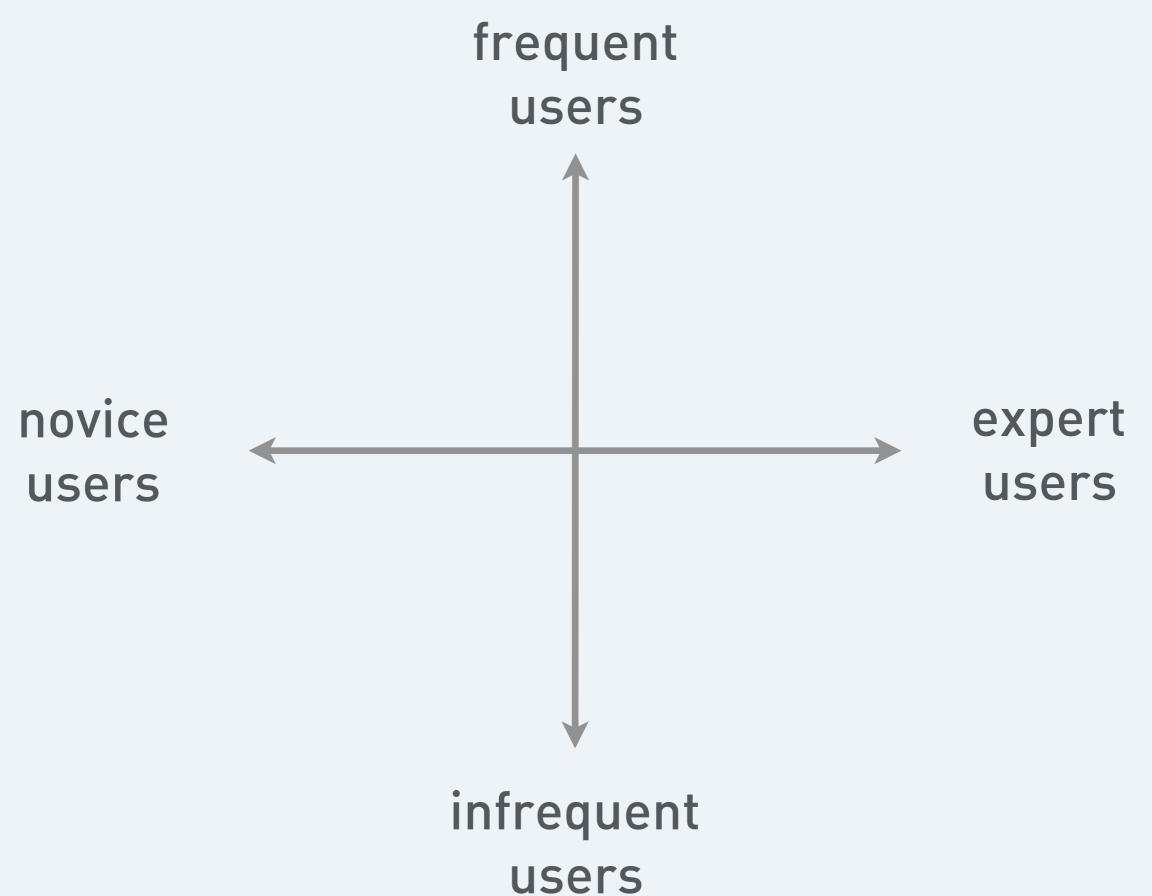
Research

Get to know your problem/ subject

Gather insights about the user and their life

Collect artefacts & impressions

Record tasks



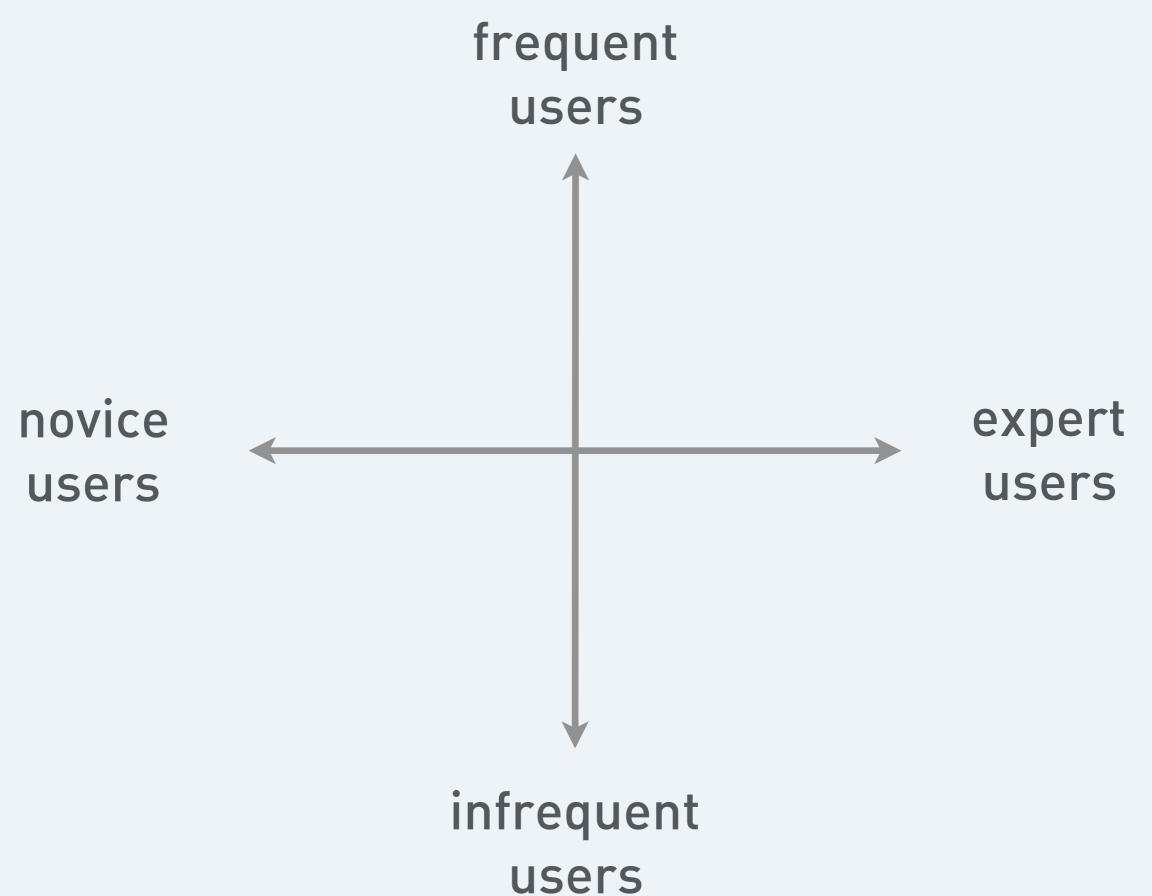
source: [2,4]



Audi A4 Series Cockpit

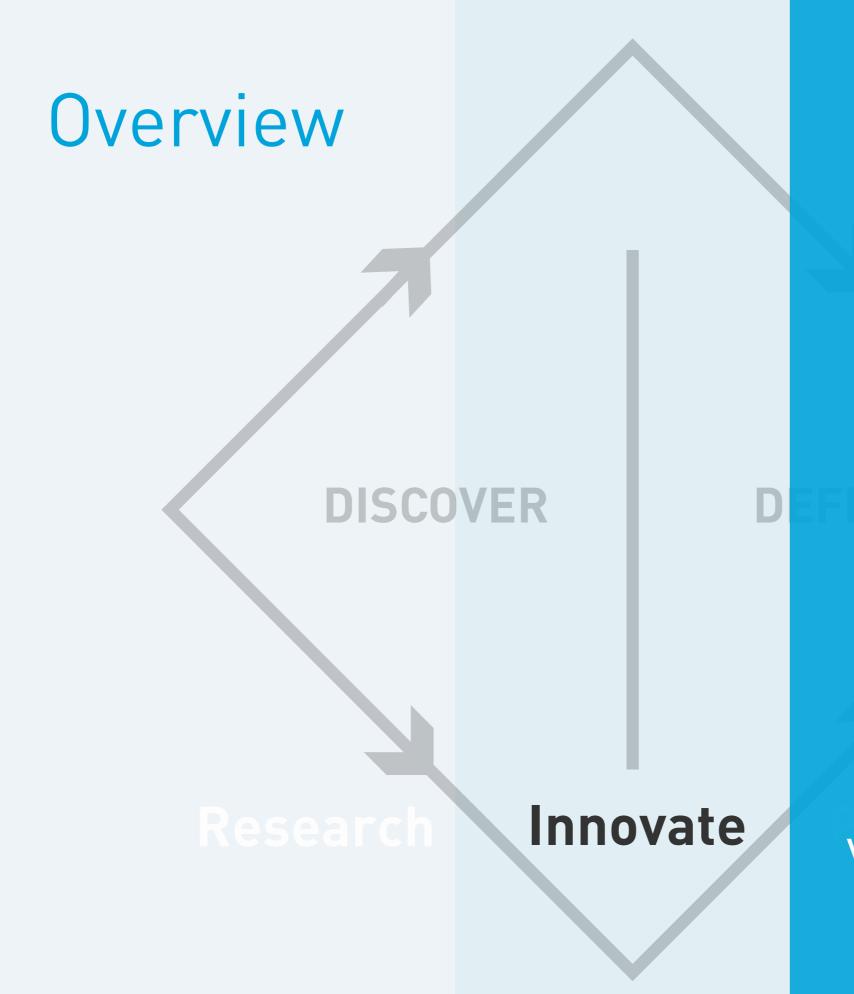
http://www.audicomparisons.com/wp-content/uploads/2013/10/2014-Audi-A4-interior.jpg





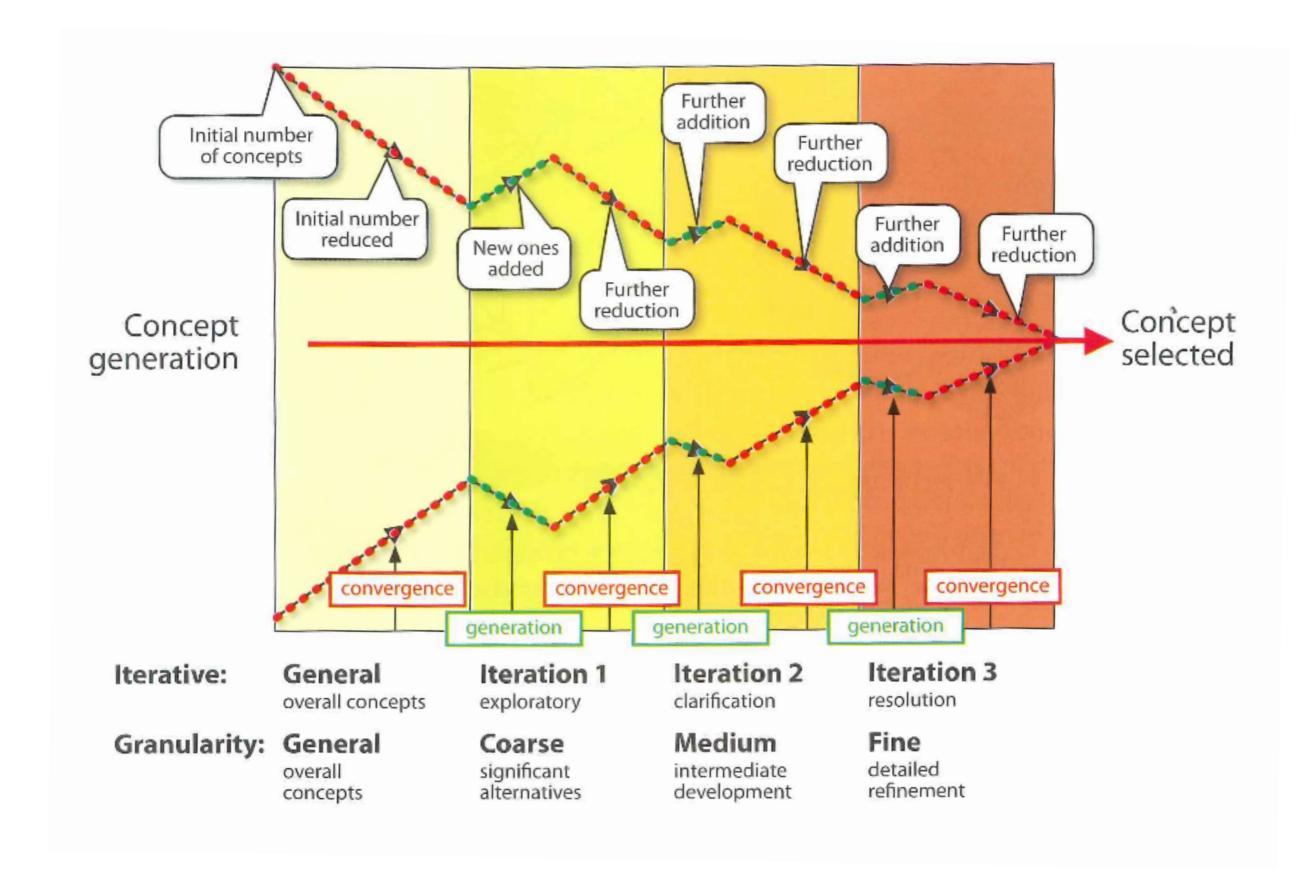
source: [2,4]

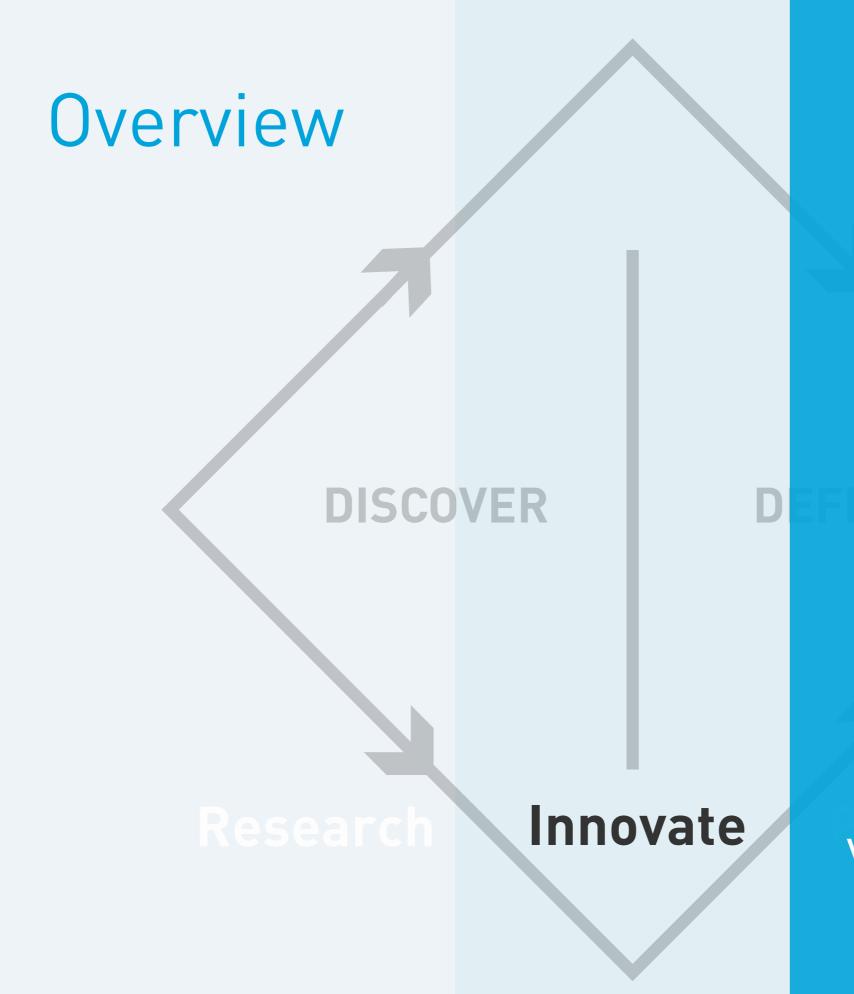
Different, usage contexts, user types and usage frequency will require dedicated solutions.



Make sense of your data Identify important facets Keep all players in mind Collect and prioritise ideas

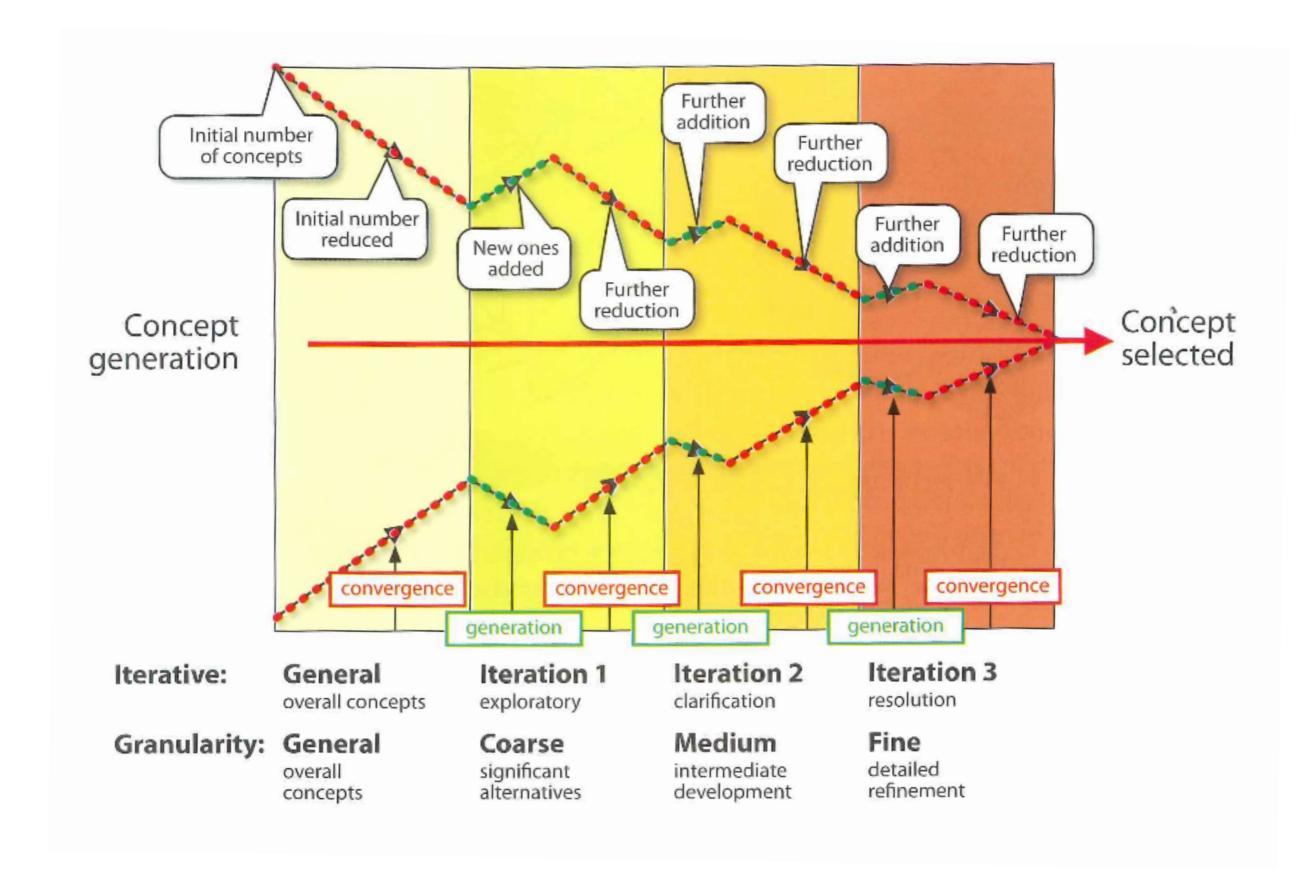
Develop & validate solutions

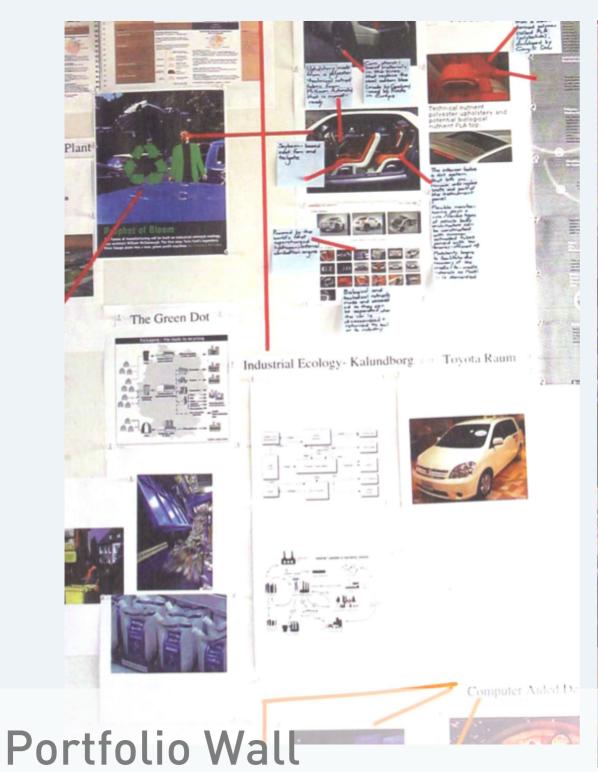




Make sense of your data Identify important facets Keep all players in mind Collect and prioritise ideas

Develop & validate solutions

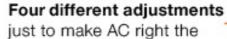








Competitive Analysis/Current Interface



way you like it.

Too many buttons

Buttons could be siplified and grouped further.

AC adjustments

do not show up on navigation screen.

Turning Knob

for the screen on top is far back; Poor ergonomic.



















What is working?

- Screen does not need to be at the same place as control.
- Tactile feel of button/Button grouping

Use of color, materials, textures, and lights can improve information heirarchy.

What is NOTworking?

- Appropriate position for frequently used buttons is important.
- Too many buttons are intimidating.
- Buttons are scattered and not intuitive position.
- Touchscreen requires too much attention.
- Buttons rely on small icons/text which is hard to read.

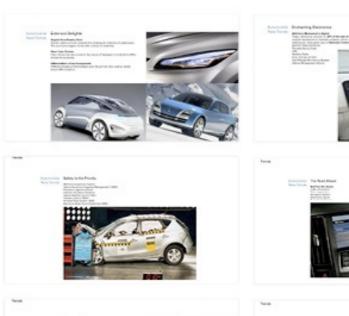


Competitive Analysis/Car Trends

Trends Insight

- More wireless connectivity to information and to others.
- More seamless integration between digital and physical world.
- Devices are more content driven and user centric.
- Better customization capabilities and mobile computing is more prevalaent.









Competitive Analysis



Literaturrecherche

Google / Google Scholar

http://scholar.google.de

ACM Digital Library

http://portal.acm.org/dl.cfm -> BibTex, Referenzen, Verweise

Citeseer

http://citeseer.ist.psu.edu/cs

IEEE Xplore

http://ieeexplore.ieee.org/Xplore/guesthome.jsp

Literaturrecherche

Zugriff auf diverse Literaturdatenbanken (ACM, IEEE) über LRZ-VPN und –Proxy:

http://www.lrz-muenchen.de/services/netzdienste/proxy/browser-config/

Zugriff auf das ACM Portal und IEEE über LRZ-Proxy:

https://docweb.lrz-muenchen.de/cgi-bin/doc/nph-webdoc.cgi/000110A/http/

portal.acm.org/portal.cfm

Zugriff auf Zeitschriften:

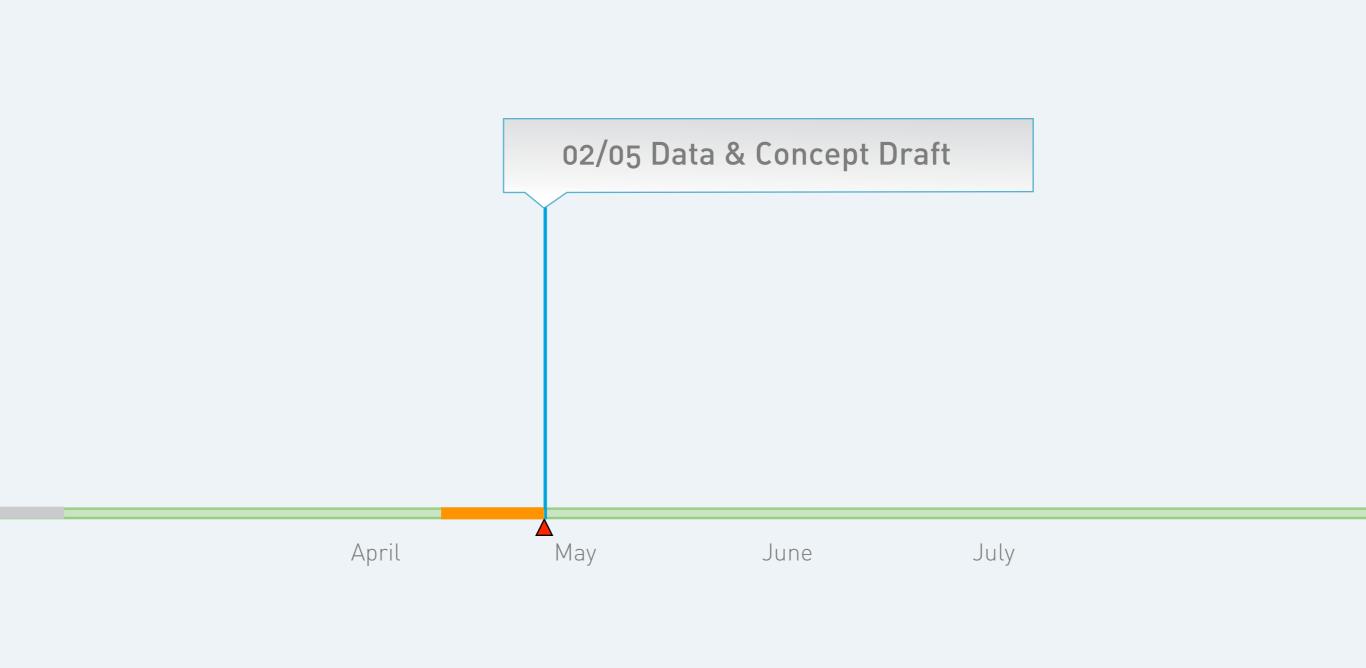
http://docweb.lrz-muenchen.de/

Webrecherche

Techblogs: engadget.com ted.com

Zugriff auf Zeitschriften: http://docweb.lrz-muenchen.de/





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