Knowledge Transfer

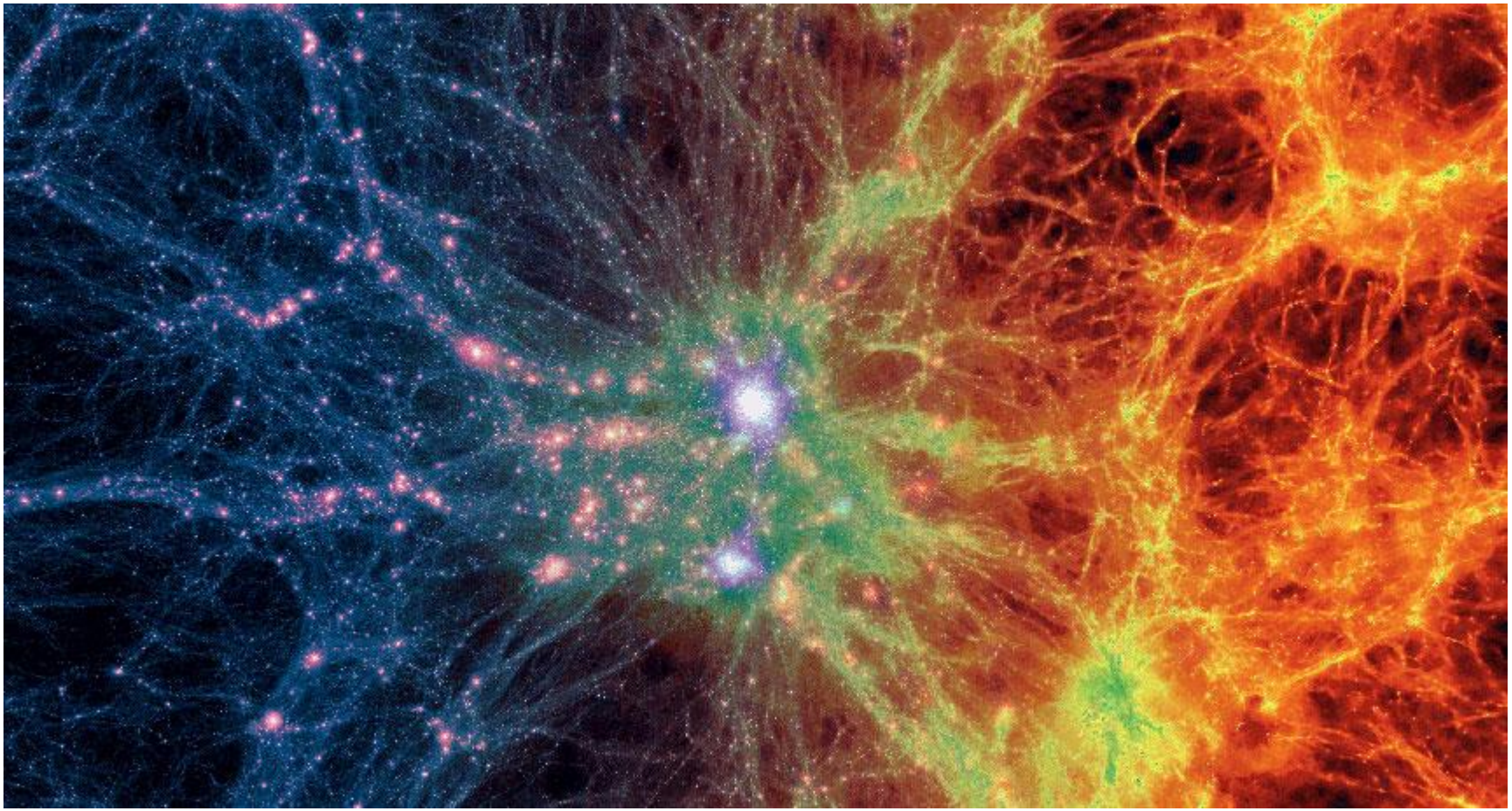
Research Box –

We have all the tools needed to accelerate your research

14.10.2016

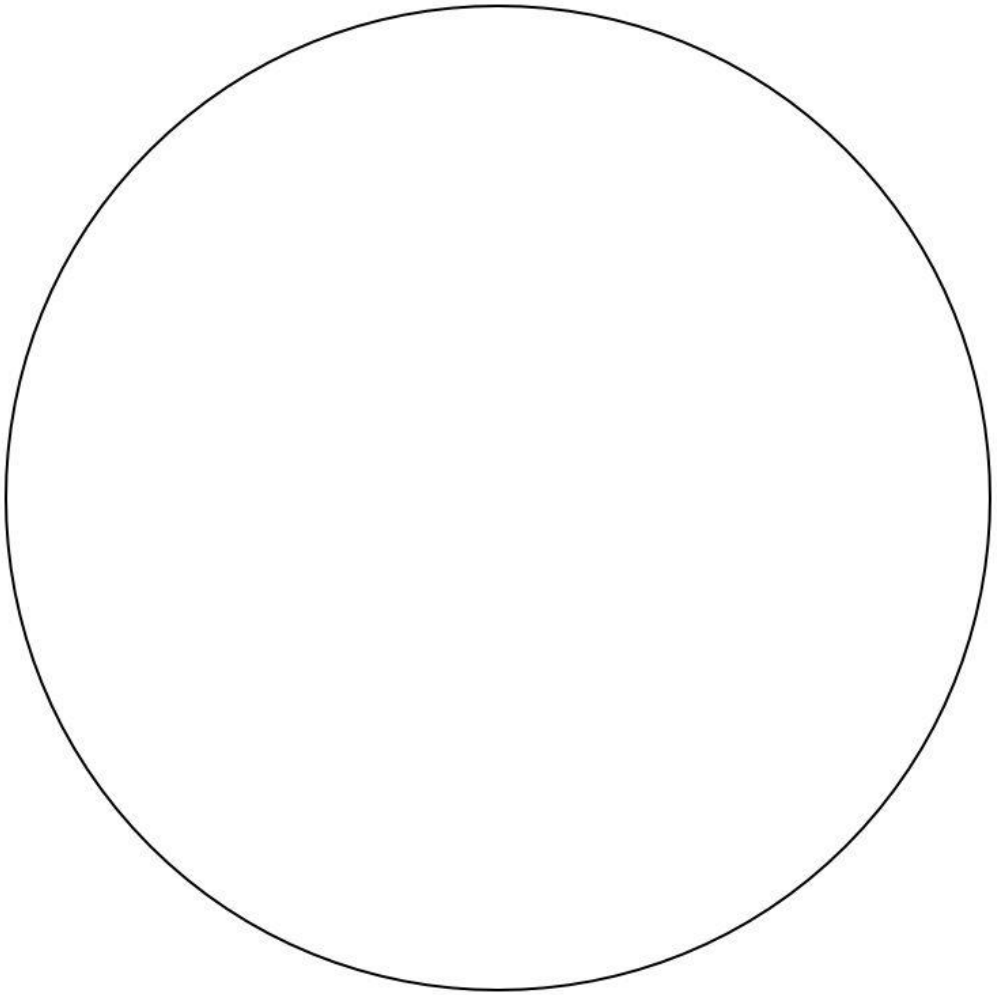
Iordan Doytchinov, ex-Fellow At CERN (PhD candidate – defense in March 2018)

A picture worth of a 1000 words



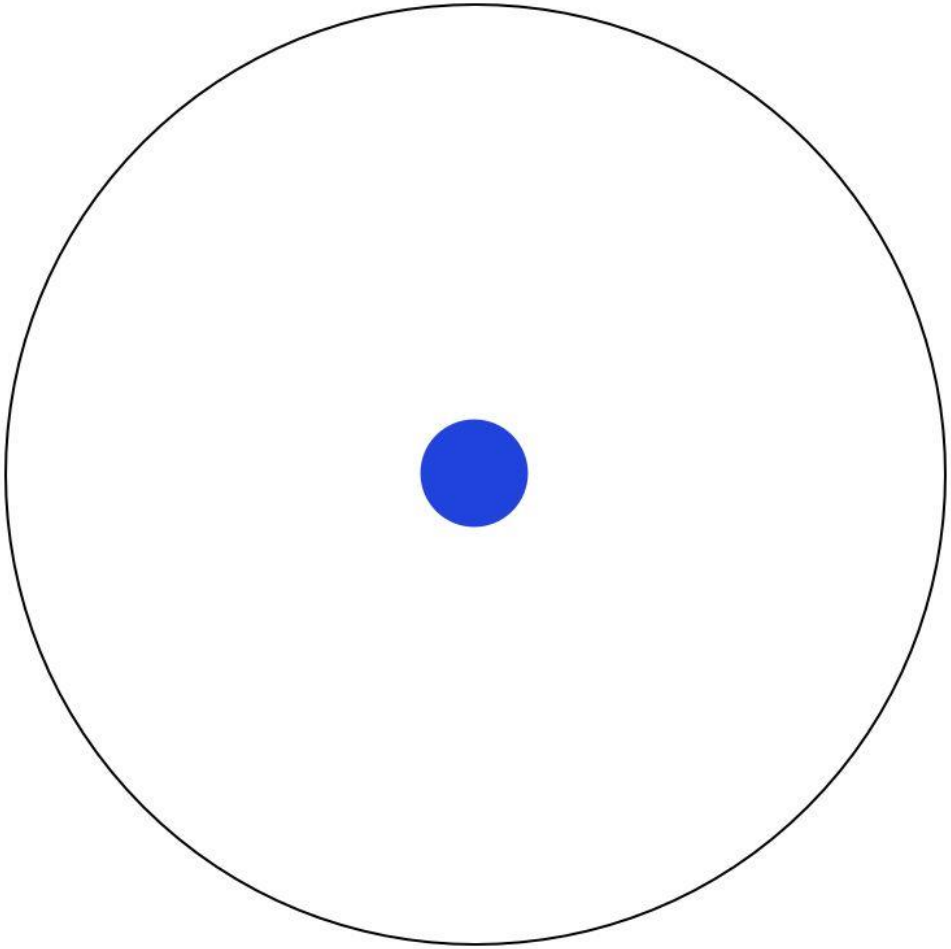
https://www.sciencenews.org/sites/default/files/2016/01/main/articles/020616_reviews_cosmicweb_free.jpg

Imagine a circle that contains all of human knowledge:



By Matt Might “Illustrated guide of Ph.D “

By the time you finish elementary school, you know a little:



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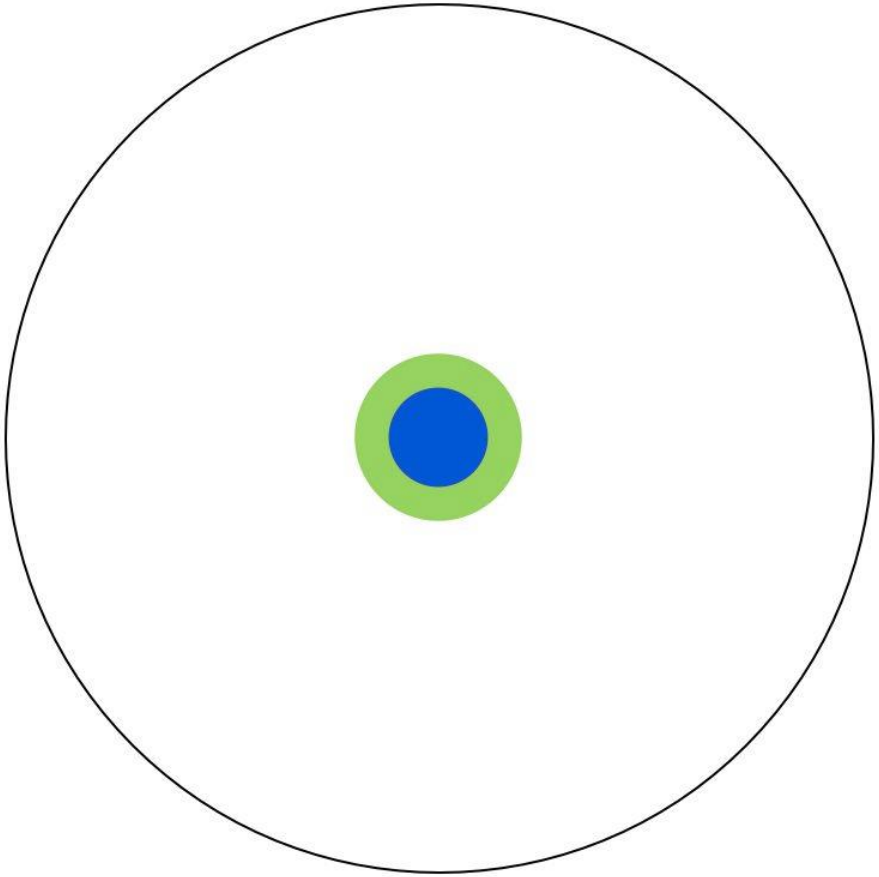
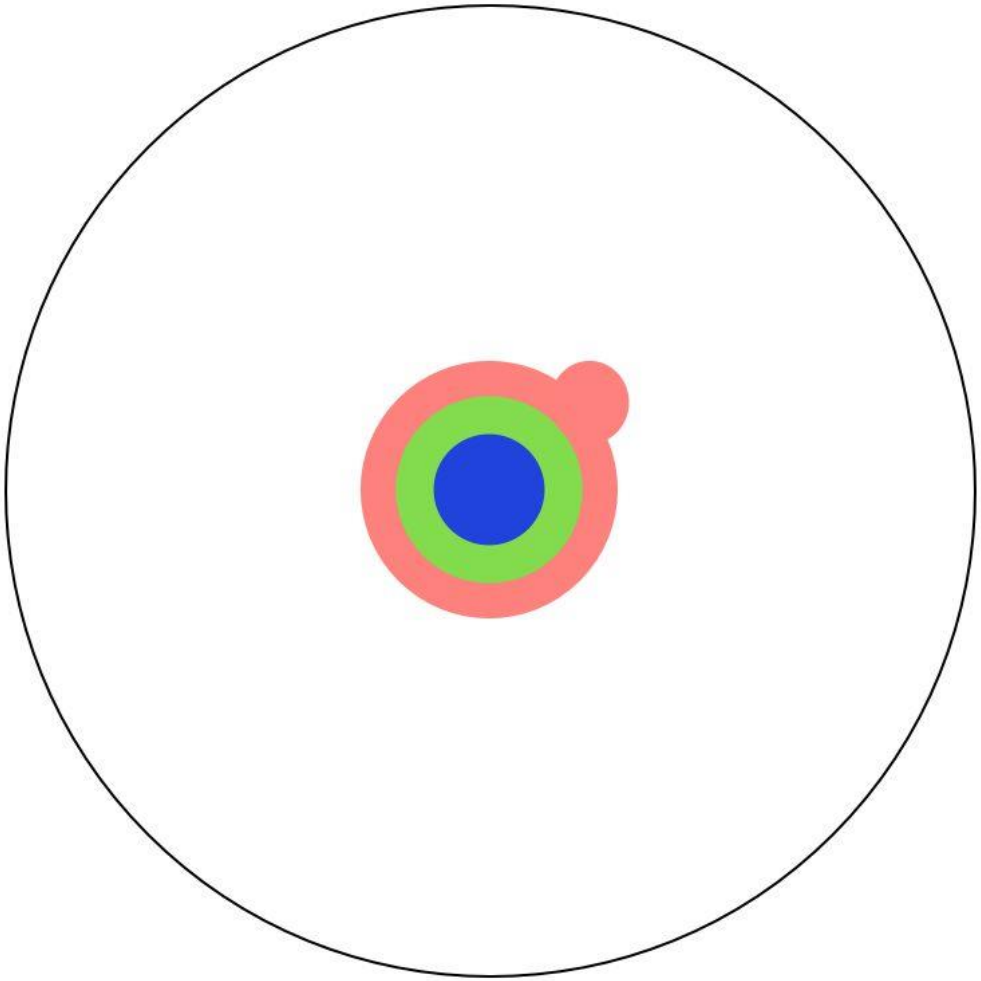
By the time you finish high school, you know a bit more:



By Matt Might “Illustrated guide of Ph.D “

With a bachelor's degree, you gain a specialty:



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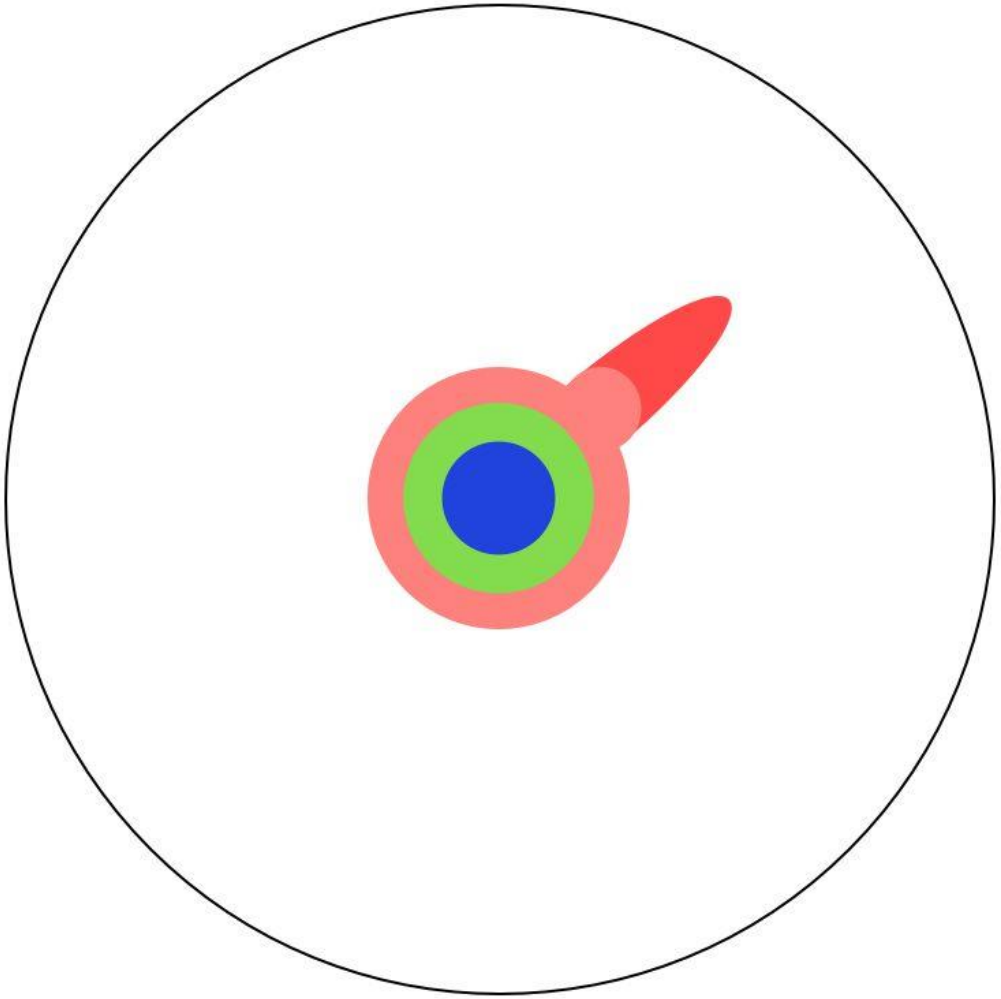
A master's degree deepens that specialty:



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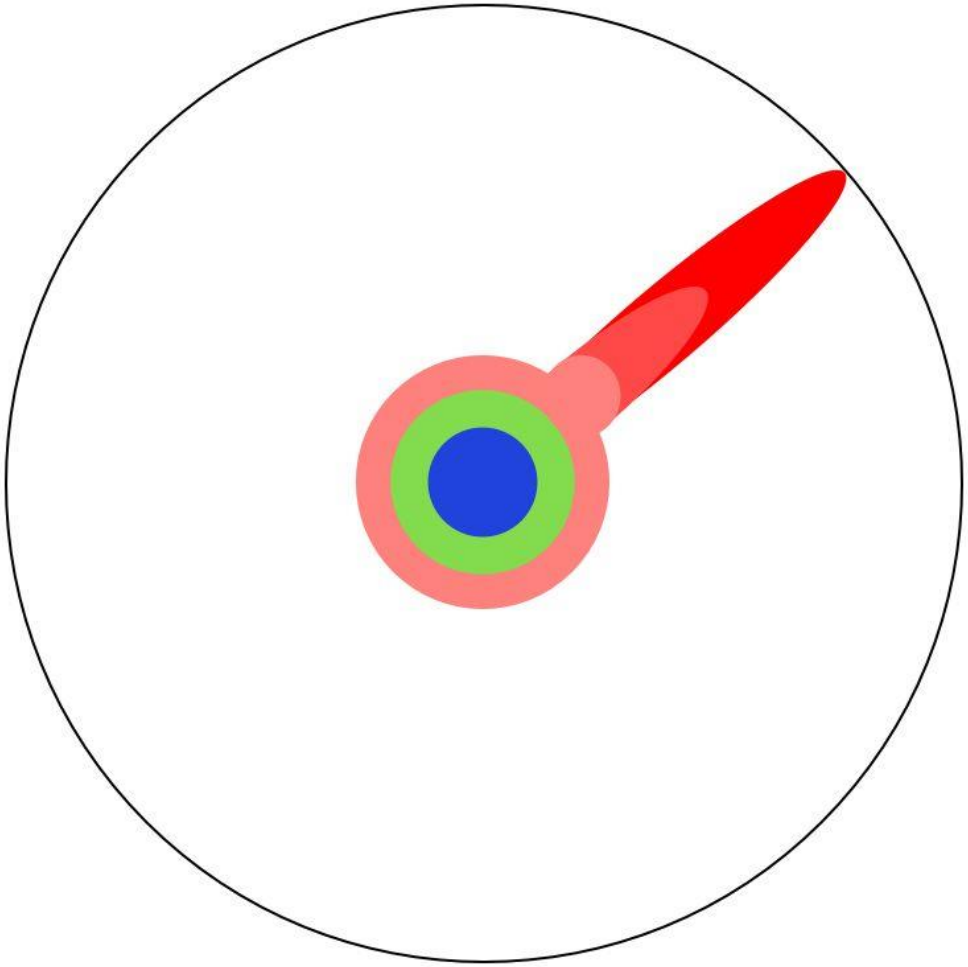
Reading research papers takes you to the edge of human knowledge:



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Once you're at the boundary, you focus:

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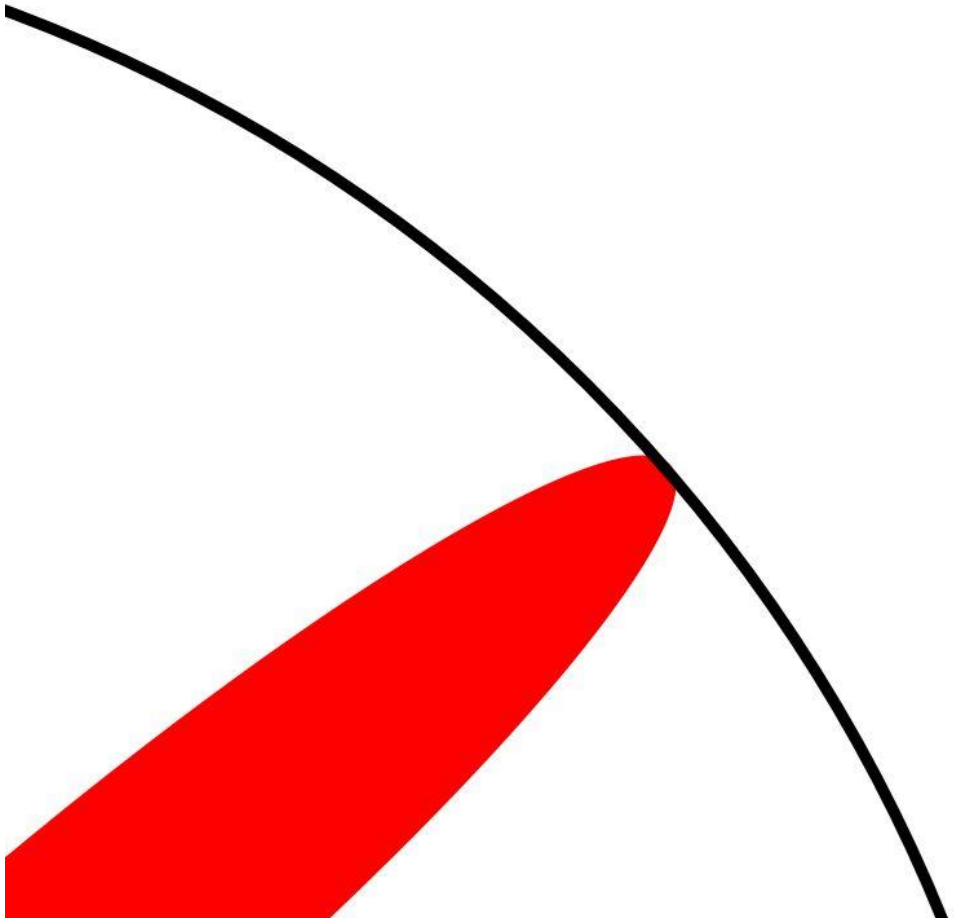
You push at the boundary for a few years:



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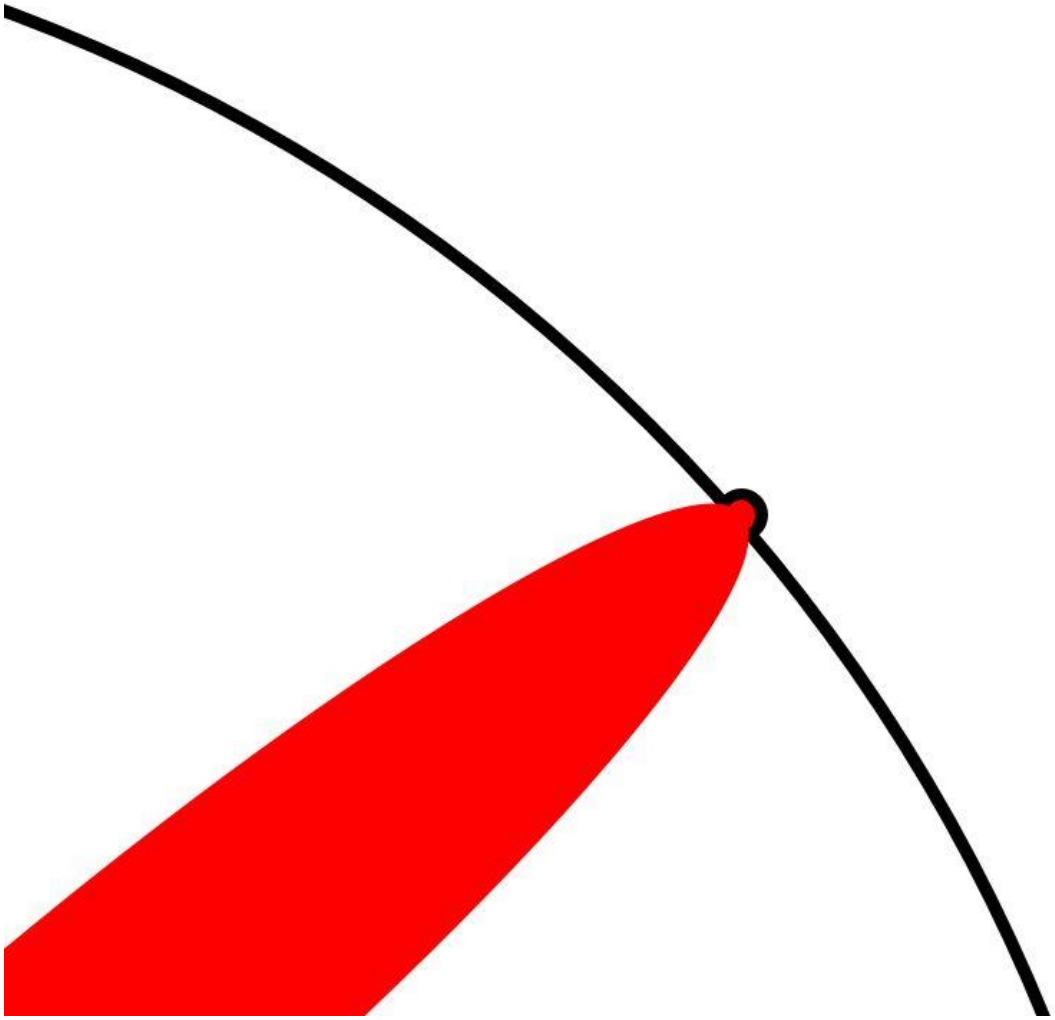
Until one day, the boundary gives way:



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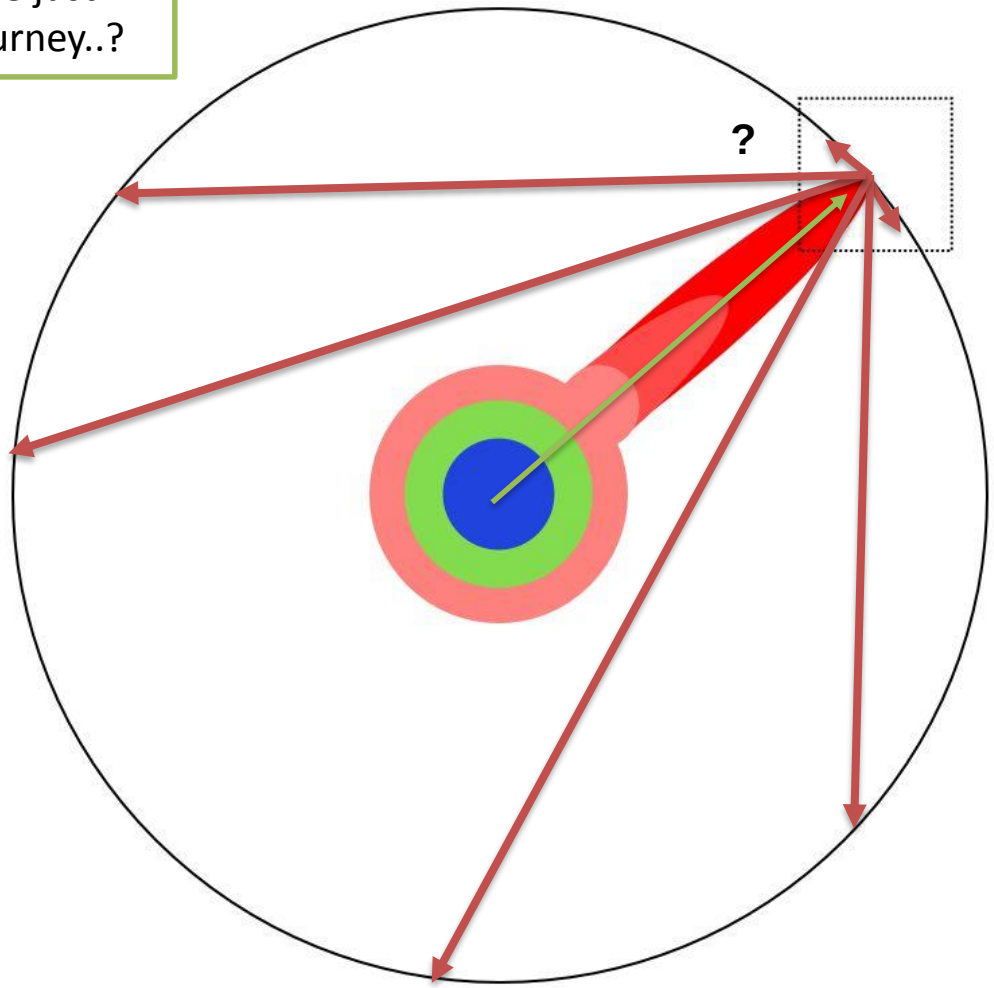
So, don't forget the bigger picture:

A) But how to get there faster if you are just starting your journey..?



B) How to keep track on what else is around and relevant for you when you are the edge?

How to “keep pushing” in a better way?

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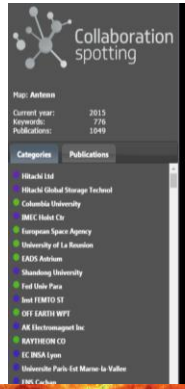
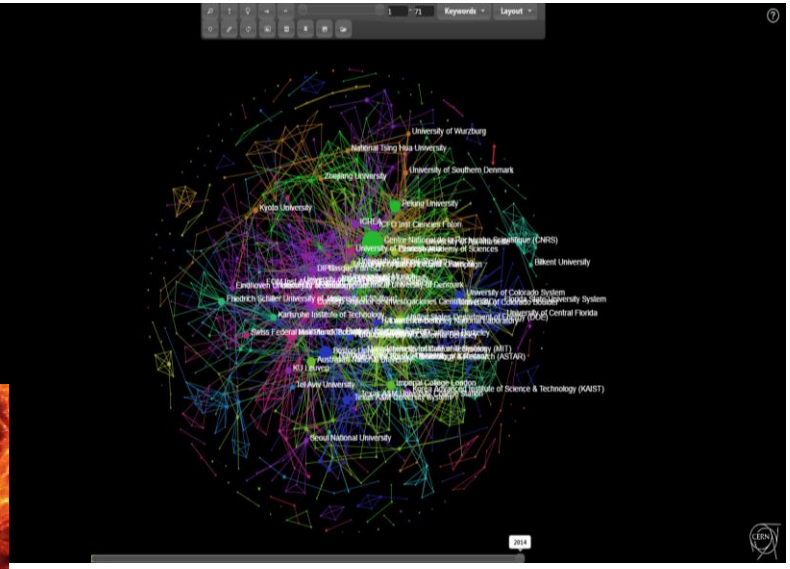
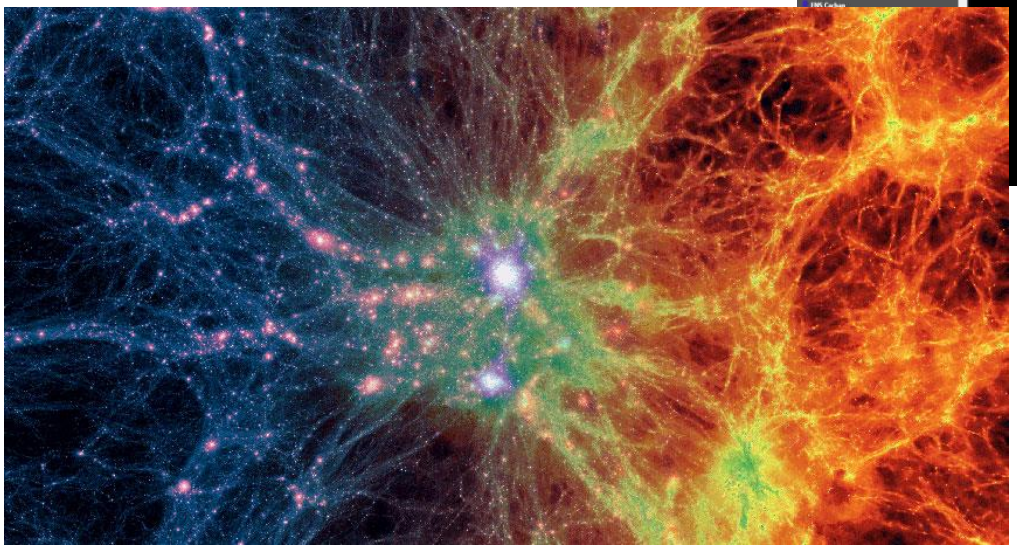
Research Box – accelerate your research

Visualise, Find, Understand



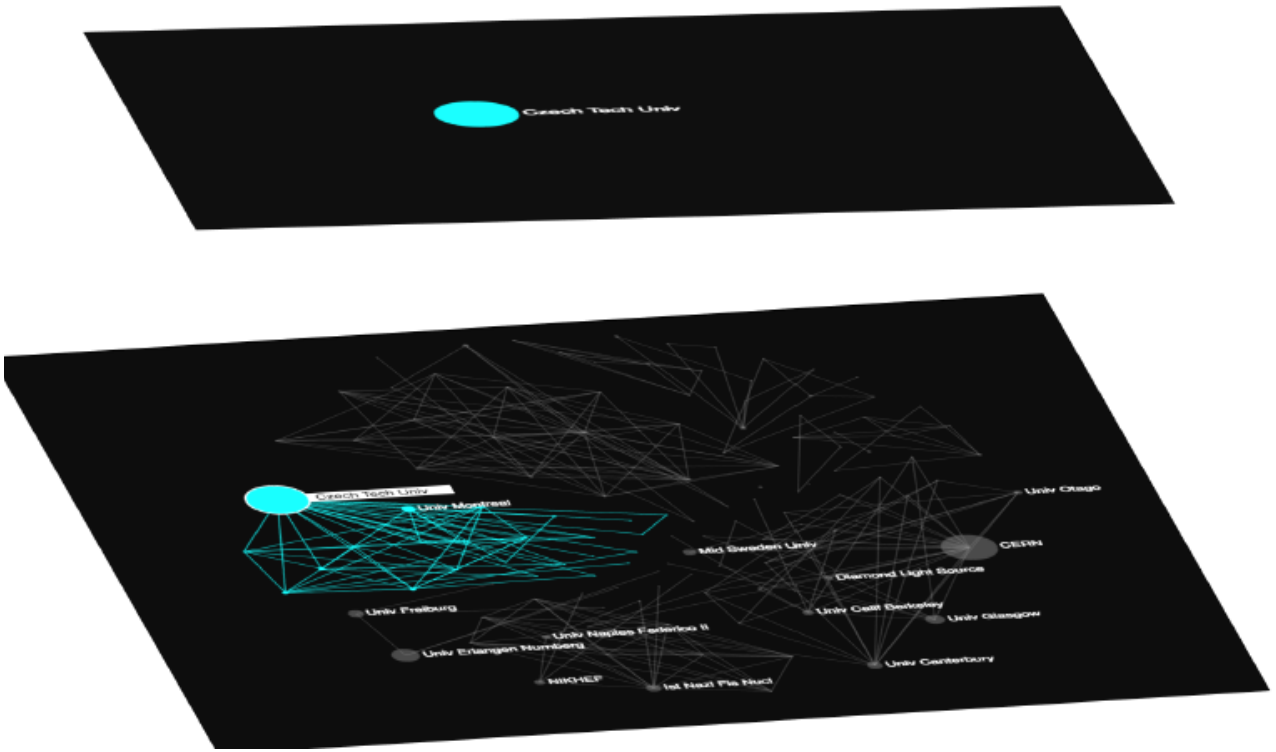




Annalise, visualise

Collaboration Spotting
Big Data Visual analytics

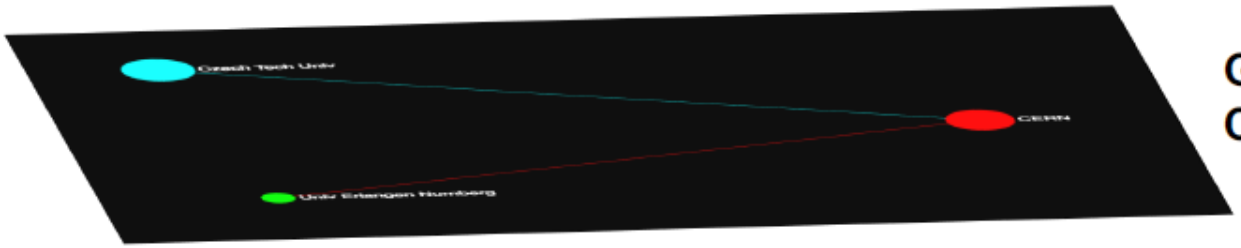
Tree: Hierarchy
Vertices to Communities



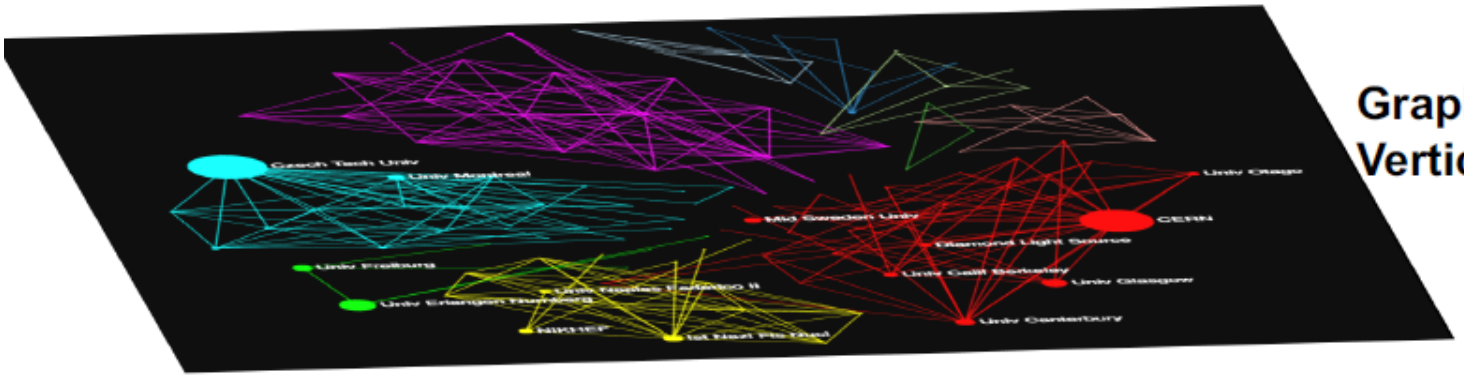
Annalise, visualise

Collaboration Spotting
Big Data Visual analytics

Multi-layer information



Graph layer:
Communities



Graph layer:
Vertices

Resources – Business model

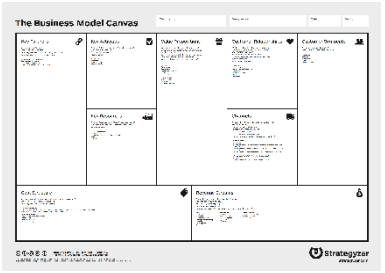
→ 1x Python programmer

→ 1xNetwork science with Python programing skills

→ Project coordinator

→ System engineer

→ Support from CERN (KT, Collaboration Spotting and Library)

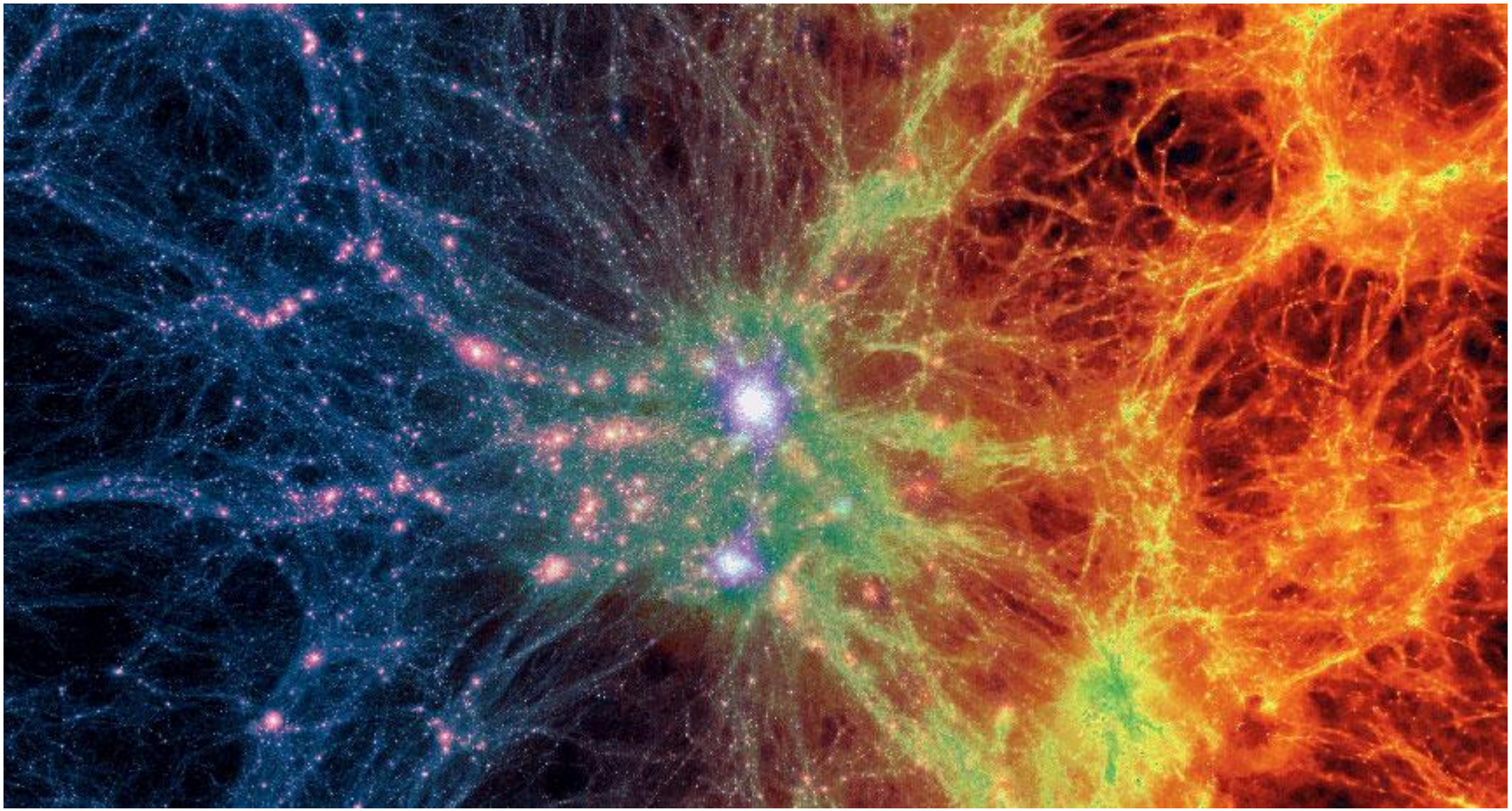


To business model:

<u>B – B (preferable)</u>

B-A (possible)

So don’t forget the big picture



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