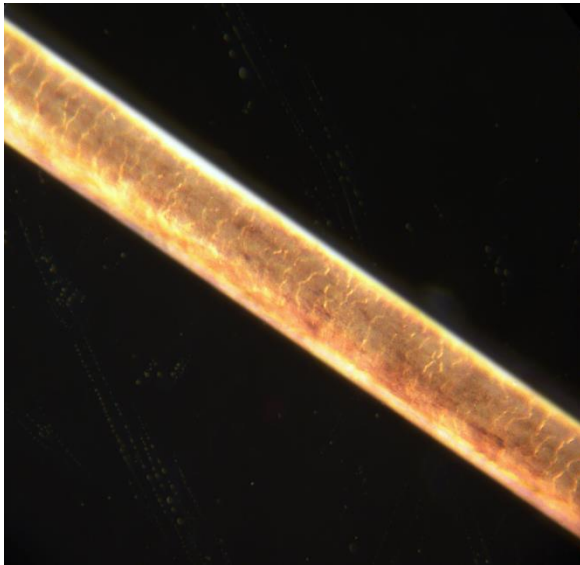


Der „Quantensprung“

$$D \sim 5 * 10^{-5} \text{ m}$$



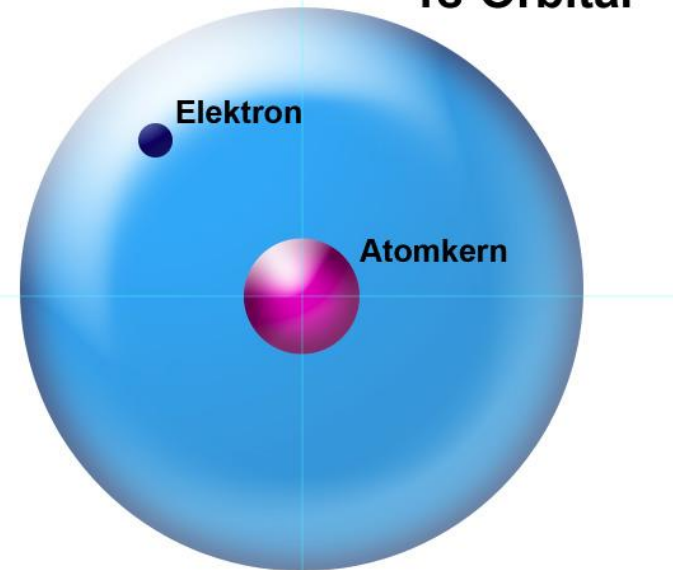
Quelle:

https://upload.wikimedia.org/wikipedia/commons/c/c1/Menschenhaar_200_fach.jpg am 24.07.2018

$$d \sim 5 * 10^{-11} \text{ m}$$

1s-Orbital

$$D/d \sim 10^6$$



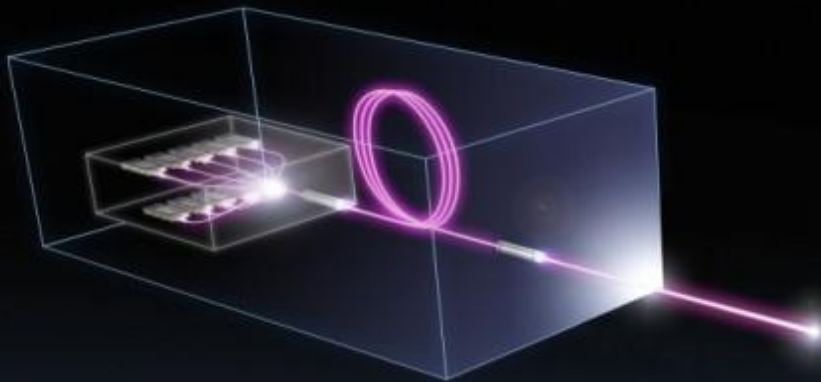
Quelle: [http://www.u-](http://www.u-helmich.de/che/Q2/orbitalmodell/bilder/bild1-01.jpg)

[helmich.de/che/Q2/orbitalmodell/bilder/bild1-01.jpg](http://www.u-helmich.de/che/Q2/orbitalmodell/bilder/bild1-01.jpg) vom 24.07.2018

Wäre das Atom so groß wie ein Haar, müsste das Haar so groß wie ein Wolkenkratzer sein!

Viele Quantensprünge

... können zusammen
Großes bewirken!



Quelle: http://www.amada.fr/media/user/rz_600_600_l_image_3001.jpg am 24.07.2018

Viele kleine Dinge ...

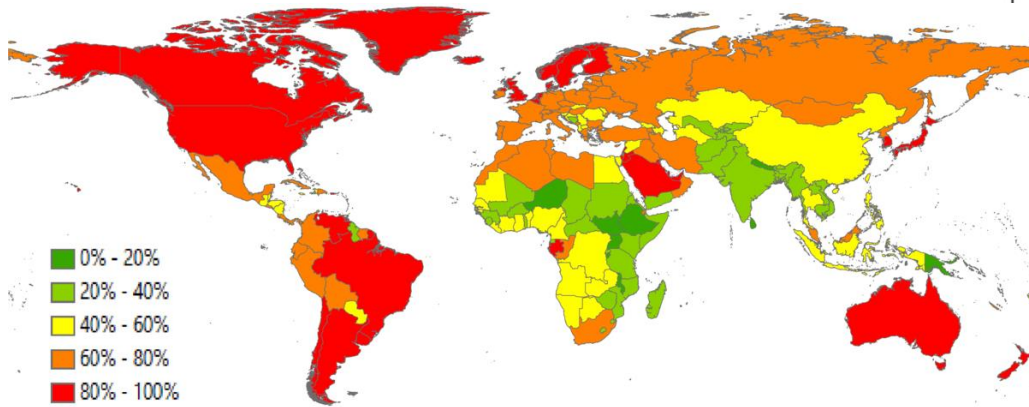
Quelle: http://image.cache.storm.mg/styles/smg-800x533-fp/s3/media/image/2017/07/20/20170720-120424_U1085_M303175_40e4.png?itok=ZR97TVwd am 24.07.2018



Quelle:
<https://upload.wikimedia.org/wikipedia/commons/7/72/Rubens126.JPG> am
17.07.2018

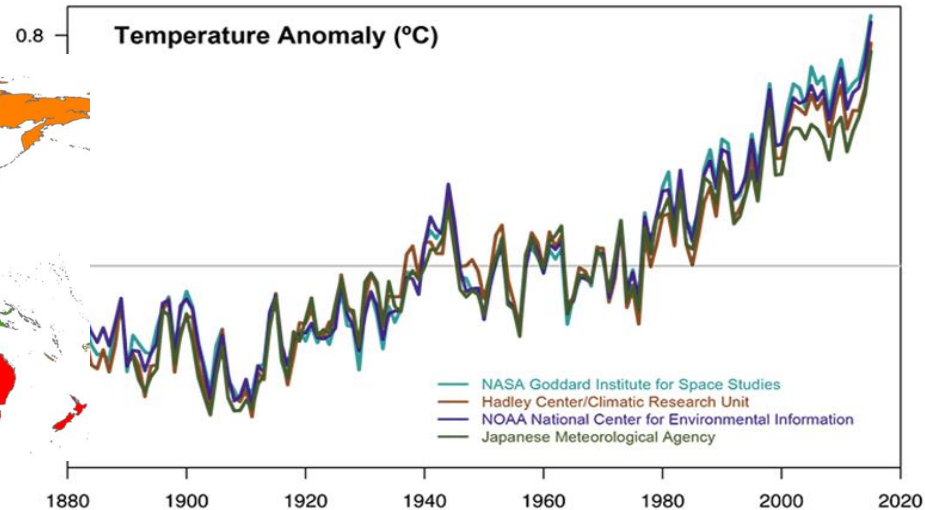
Quelle: http://1.bp.blogspot.com/-4s_whyHIURQ/Tv83wENmfcI/AAAAAAAAAB4Y/37BP3yJzf34/s1600/big_janus_coin.jpg am
24.07.2018

Die Welt im 3. Jahrzehnt des 21. Jahrhunderts

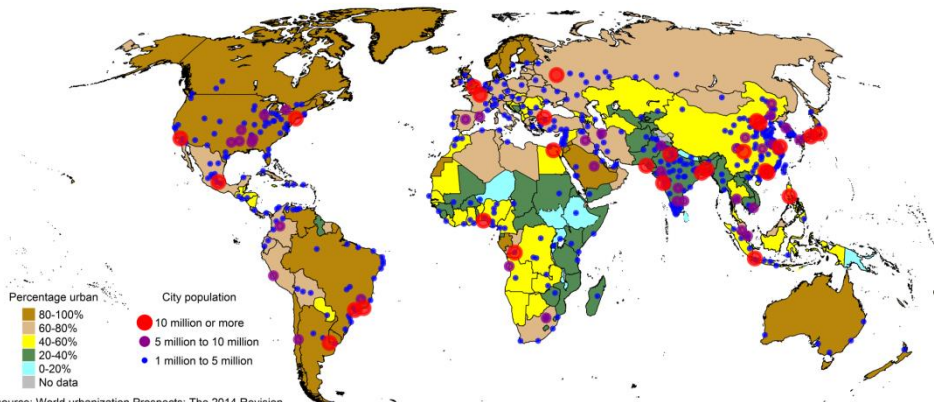


Quelle:

https://upload.wikimedia.org/wikipedia/commons/thumb/7/73/2015_World_Urbanization_Map.png/1200px-2015_World_Urbanization_Map.png am 16.11.2018

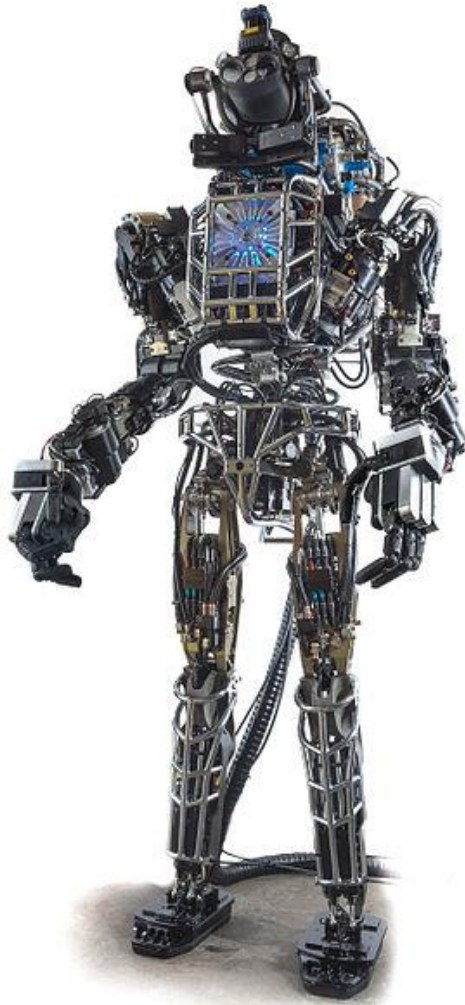


Quelle: https://climate.nasa.gov/system/content_pages/main_images/1309_consensus-graphic-2015-768px.jpg abgerufen am 15.05.2018



Data source: World urbanization Prospects: The 2014 Revision
 The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.
 Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan.
 The final status of Jammu and Kashmir has not yet been agreed upon by the parties.
 Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Modernes Recruiting ...



„Wir leben in einer postheroischen Gesellschaft“

- GenLt a.D. Schnell -

Quelle: http://upload.wikimedia.org/wikipedia/commons/thumb/8/81/Atlas_frontview_2013.jpg/435px-Atlas_frontview_2013.jpg am 25.07.2018

Spionage und Verrat ...

„the port pirat“



„the canal worm“



Quelle: https://cdn.pixabay.com/photo/2016/08/23/18/50/spider-1615195_960_720.png am 16.11.2018

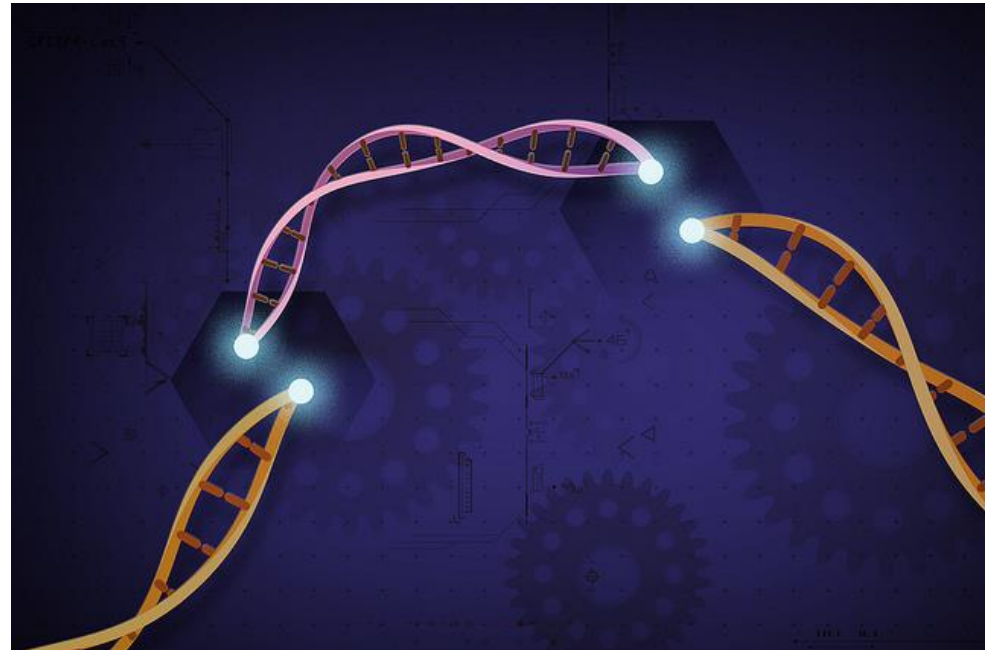
Kommunikation ...



Quelle: http://www.esa.int/var/esa/storage/images/esa_multimedia/images/2014/07/sat-ais_artists_impression/14613280-1-eng-GB/SAT-AIS_artists_impression_large.jpg am 16.11.2018

Auswahl

The new frontier of genome engineering with
CRISPR-Cas9
Jennifer A. Doudna^{1,2,3,*}, Emmanuelle
Charpentier^{4,5,6}, 2014



Quelle: <https://www.flickr.com/photos/nihgov/41124064215> am 16.11.2016



Europäische
Kommission



Quelle: <https://www.sps.gov/multimedia/images/IIF.jpg> am
25.07.2018

Quelle:
[http://www.esa.int/var/esa/storage/images/esa_multimedia/images/2000/10/galileo_satellite_system2/
9235760-5-eng-GB/Galileo_satellite_system.jpg](http://www.esa.int/var/esa/storage/images/esa_multimedia/images/2000/10/galileo_satellite_system2/9235760-5-eng-GB/Galileo_satellite_system.jpg) am 25.07.2018