

KOME PRIPADA BUDUČNOST ?





C code 101
ezdarpice Vismar, Tiran



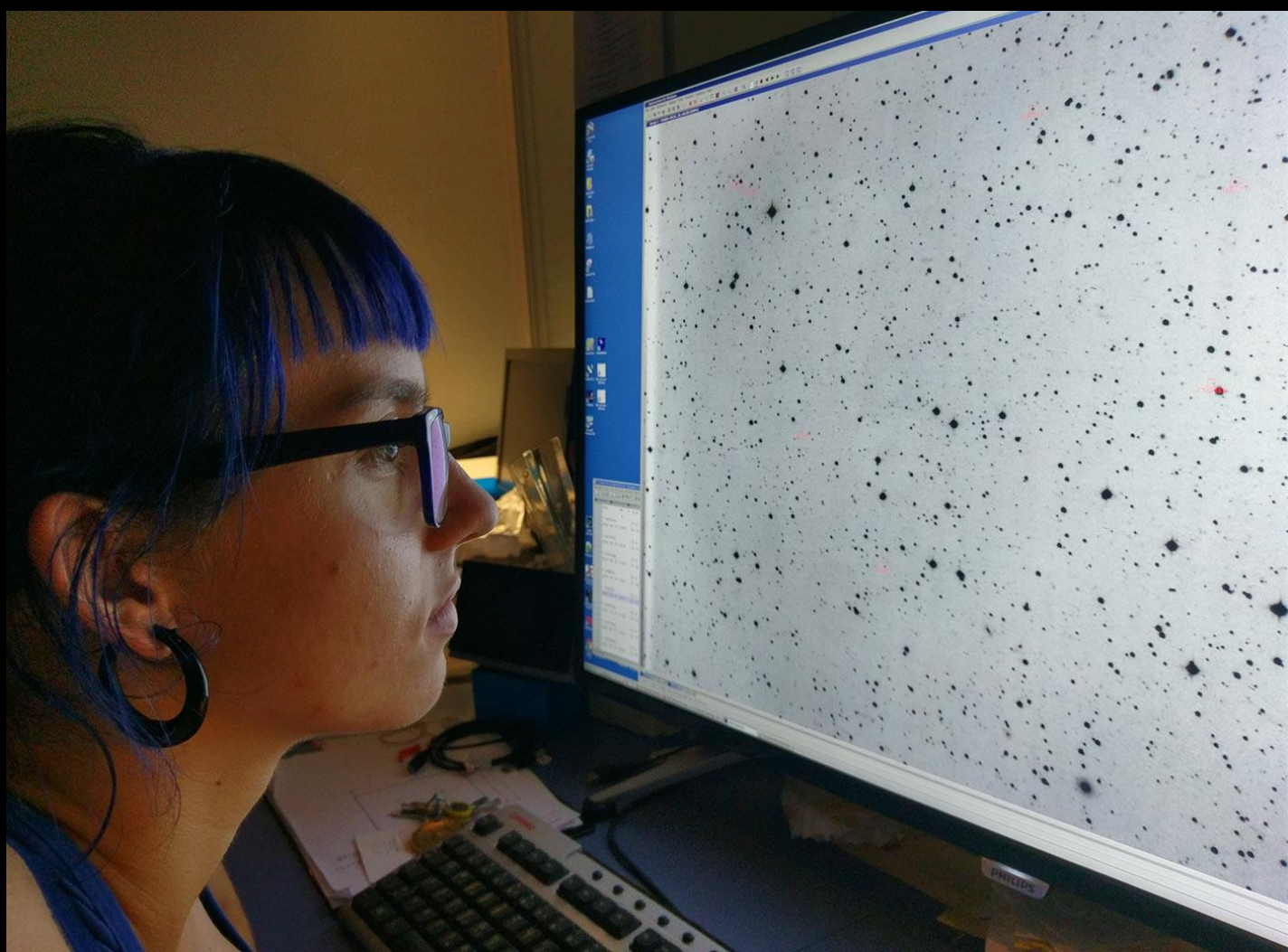


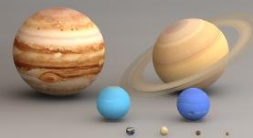
lgork
www.aeropro.eu



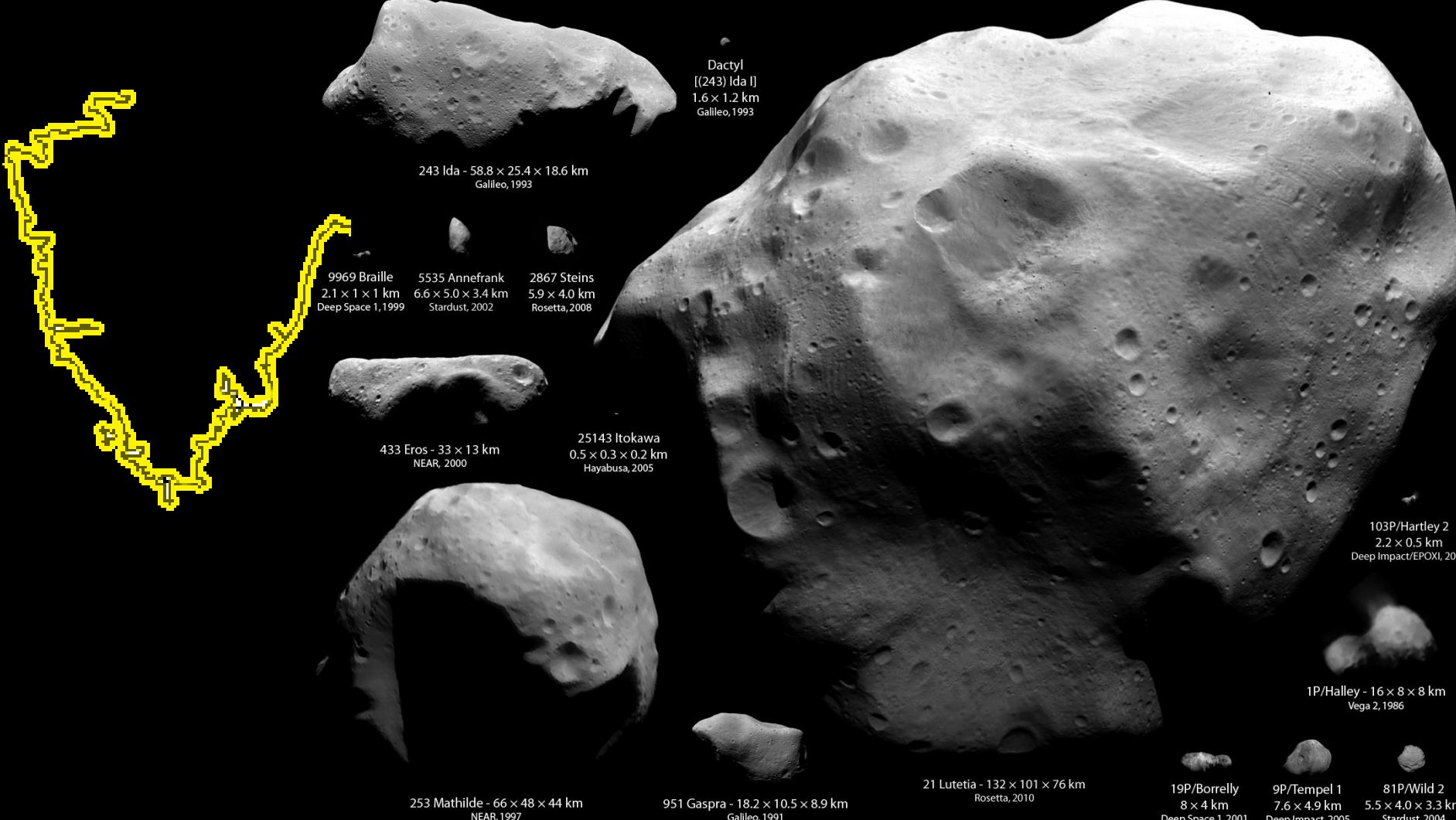












Dactyl
[(243) Ida I]
1.6 × 1.2 km
Galileo, 1993

243 Ida - 58.8 × 25.4 × 18.6 km
Galileo, 1993

9969 Braille
2.1 × 1 × 1 km
Deep Space 1, 1999

5535 Annefrank
6.6 × 5.0 × 3.4 km
Stardust, 2002

2867 Steins
5.9 × 4.0 km
Rosetta, 2008

433 Eros - 33 × 13 km
NEAR, 2000

25143 Itokawa
0.5 × 0.3 × 0.2 km
Hayabusa, 2005

253 Mathilde - 66 × 48 × 44 km
NEAR, 1997

951 Gaspra - 18.2 × 10.5 × 8.9 km
Galileo, 1991

21 Lutetia - 132 × 101 × 76 km
Rosetta, 2010

103P/Hartley 2
2.2 × 0.5 km
Deep Impact/EPOXI, 2010

1P/Halley - 16 × 8 × 8 km
Vega 2, 1986

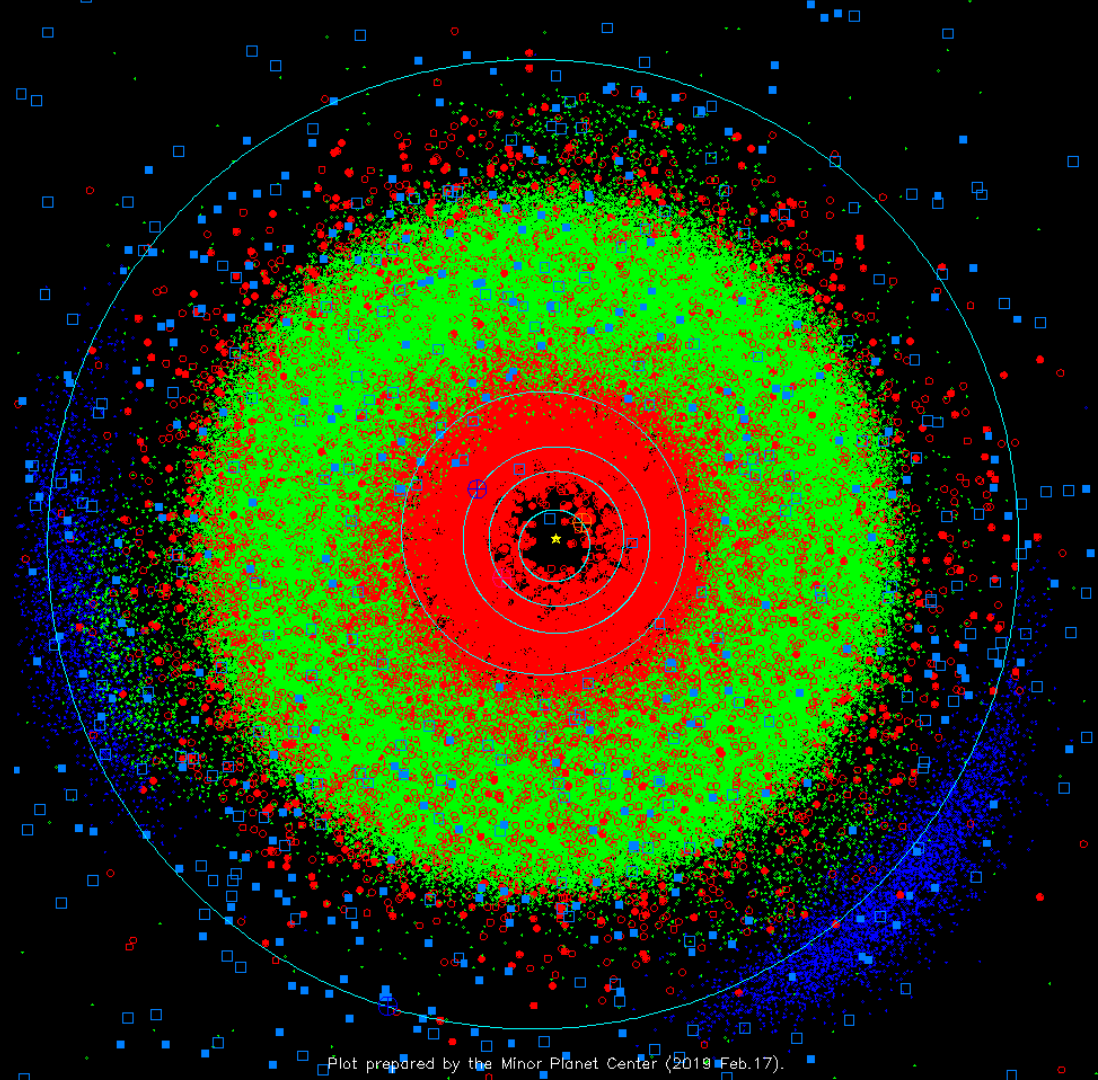
19P/Borrelly
8 × 4 km
Deep Space 1, 2001

9P/Tempel 1
7.6 × 4.9 km
Deep Impact, 2005

81P/Wild 2
5.5 × 4.0 × 3.3 km
Stardust, 2004

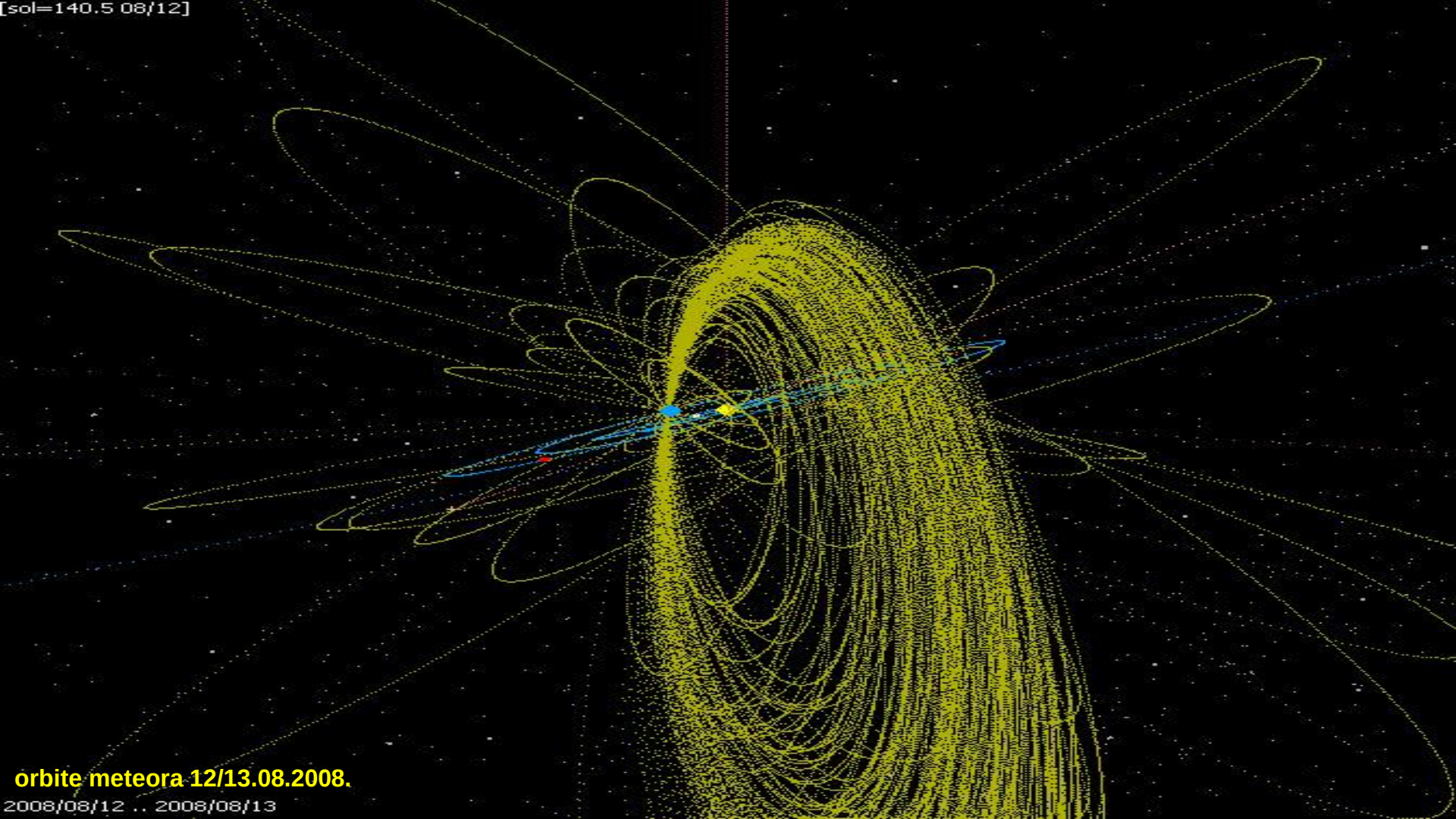


Asteroid:
187700 **Zagreb**





[sol=140.5 08/12]



orbite meteora 12/13.08.2008.

2008/08/12 .. 2008/08/13



0 10 km



SKY & TELESCOPE

JANUARY 1993

\$2.95
\$3.50 CAN

Affordable Telescopes:
Testing Meade's New Reflectors

Some Super Astronomy Books
For Kids

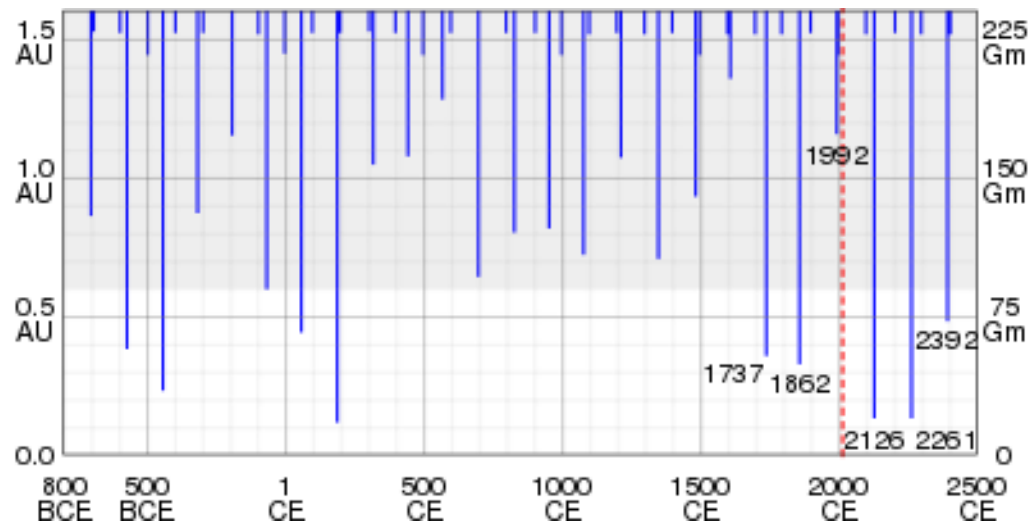
Enigma Beyond Pluto

Target Earth

What Will Be the "Impact" of Comet Swift-Tuttle?



Arrival of Comet Swift-Tuttle in 2126

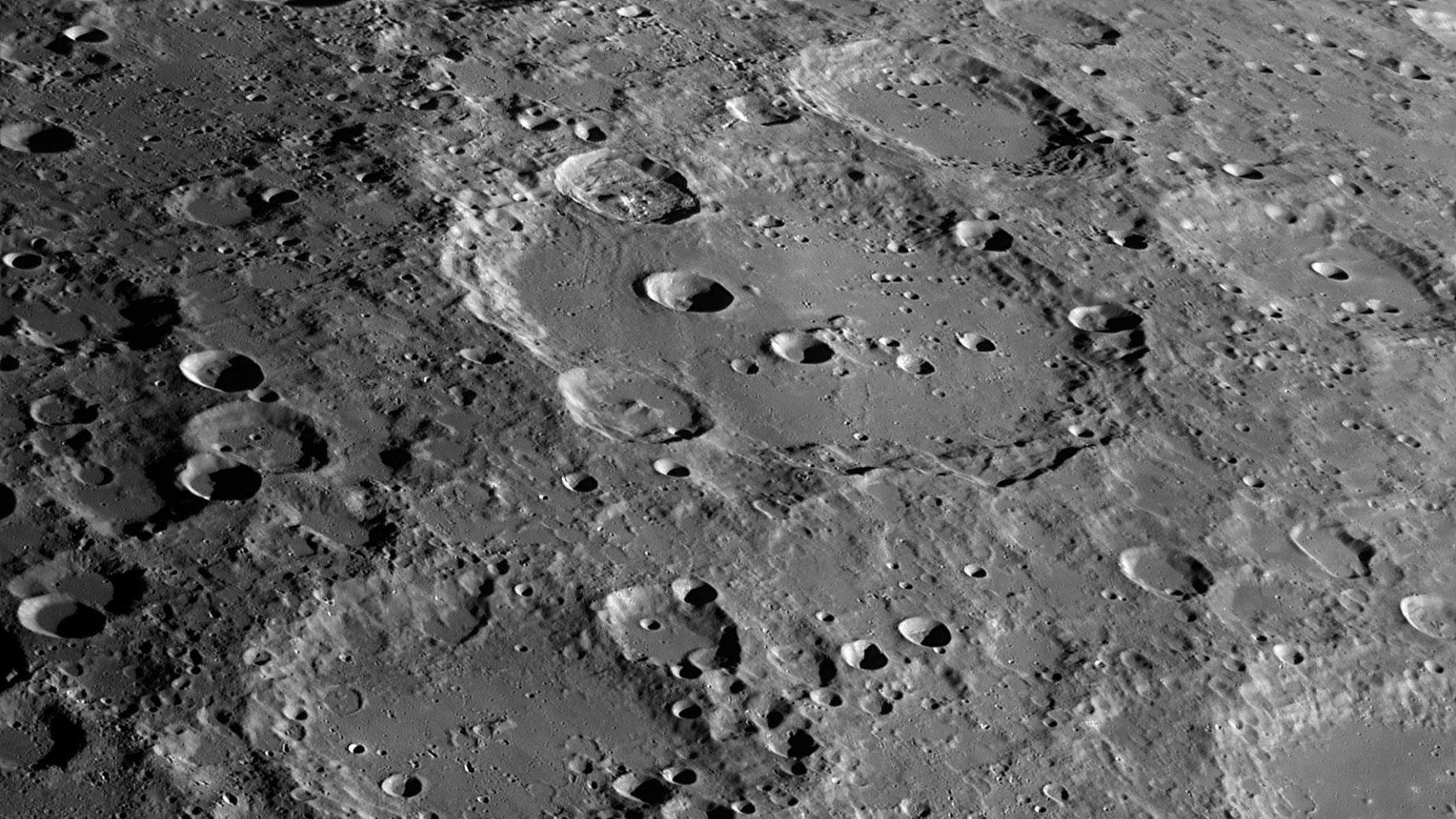












Meteor Crater

Arizona desert

It is about 1,200 m in diameter,
Some 170 m deep, and is
surrounded by a rim that
rises 45 m above the surrounding
plains.

The crater was created about
50,000 years ago



Pingualuit

Impact Crater

formerly called Chubb Crater, located on the Ungava Peninsula, New Quebec, Canada.

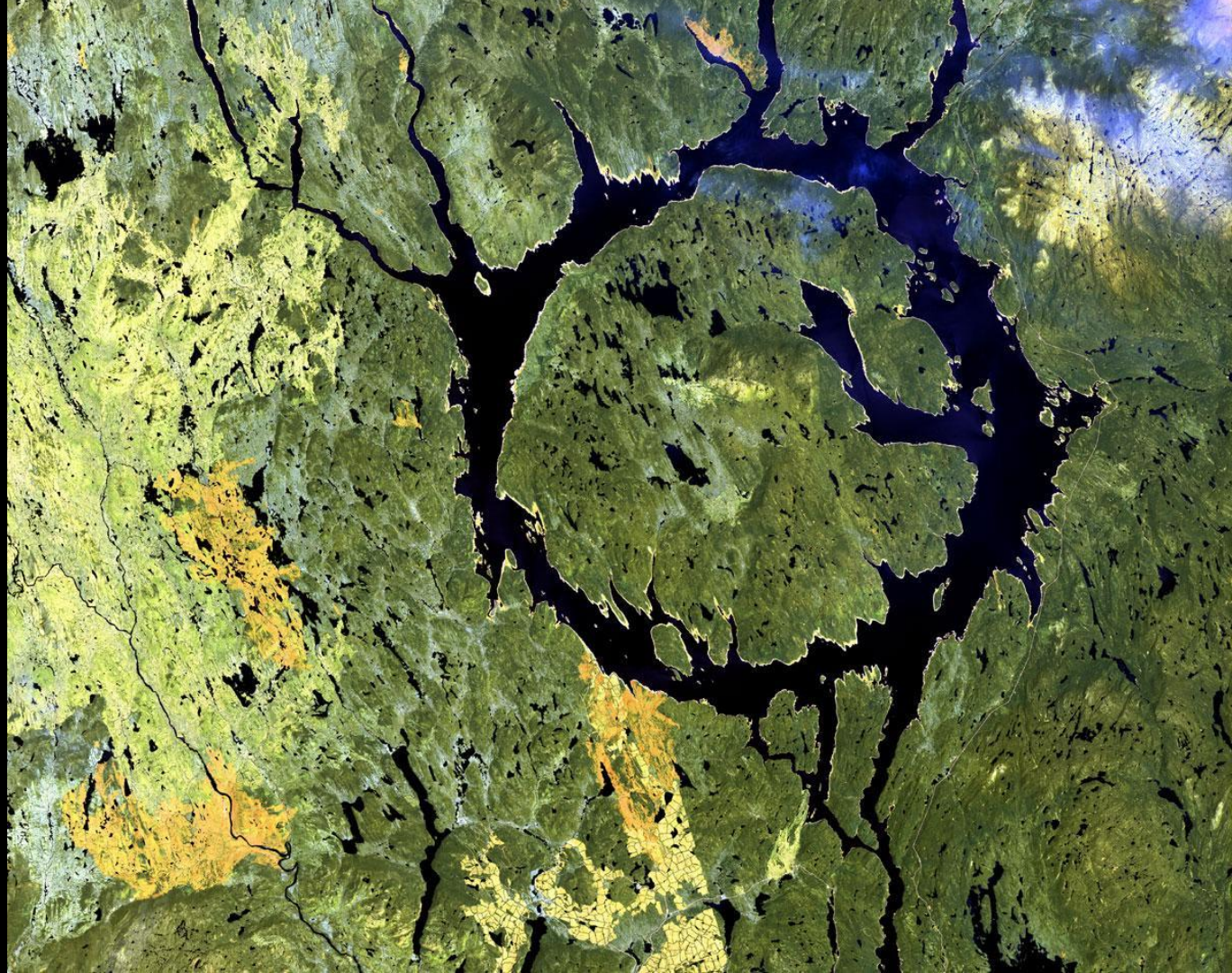
It is 3.44 km in diameter, and is estimated to be 1.4 million years old

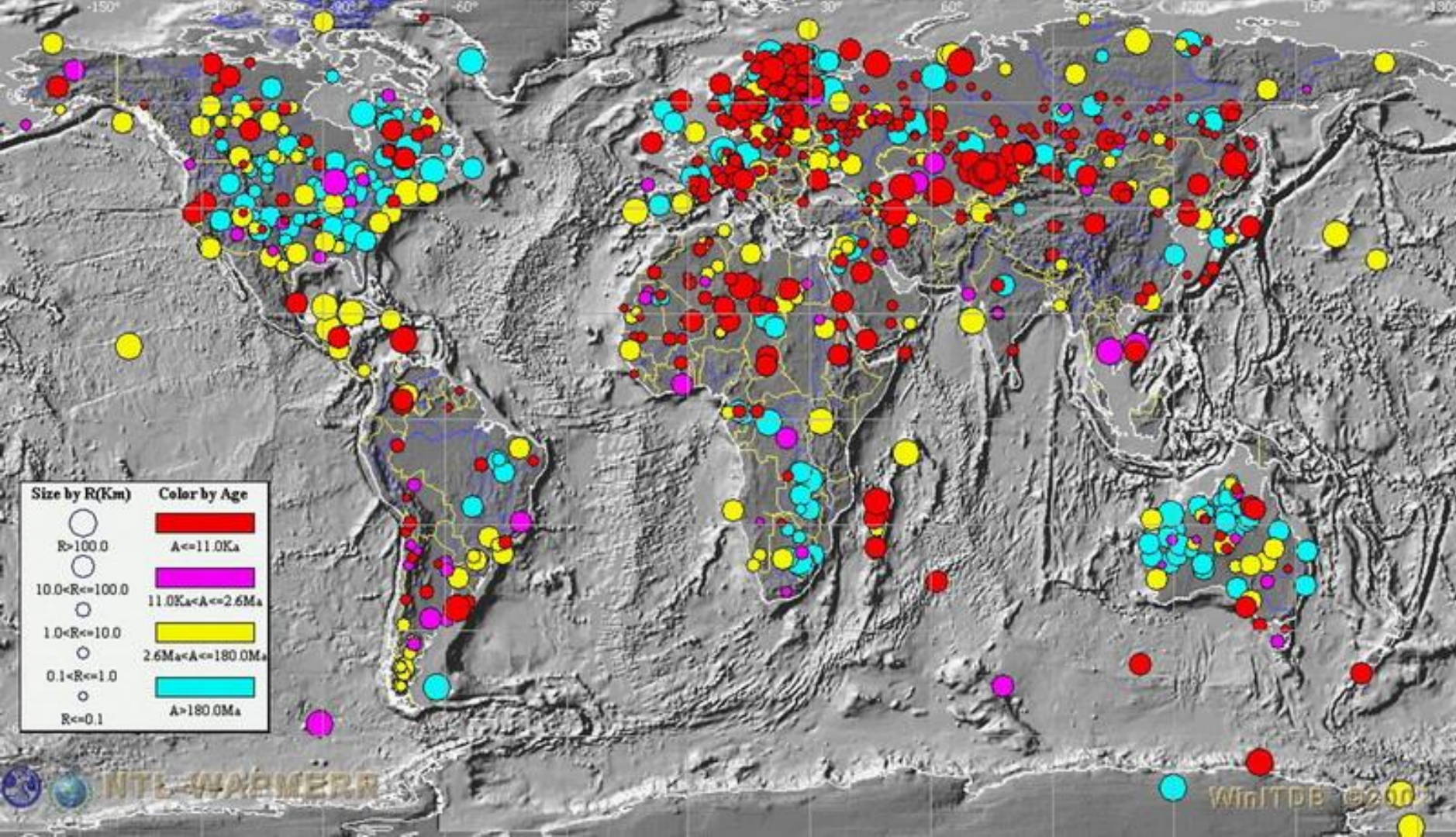


Manicouagan

A lake-filled crater, in Quebec is one the largest and best-preserved crater on the planet.

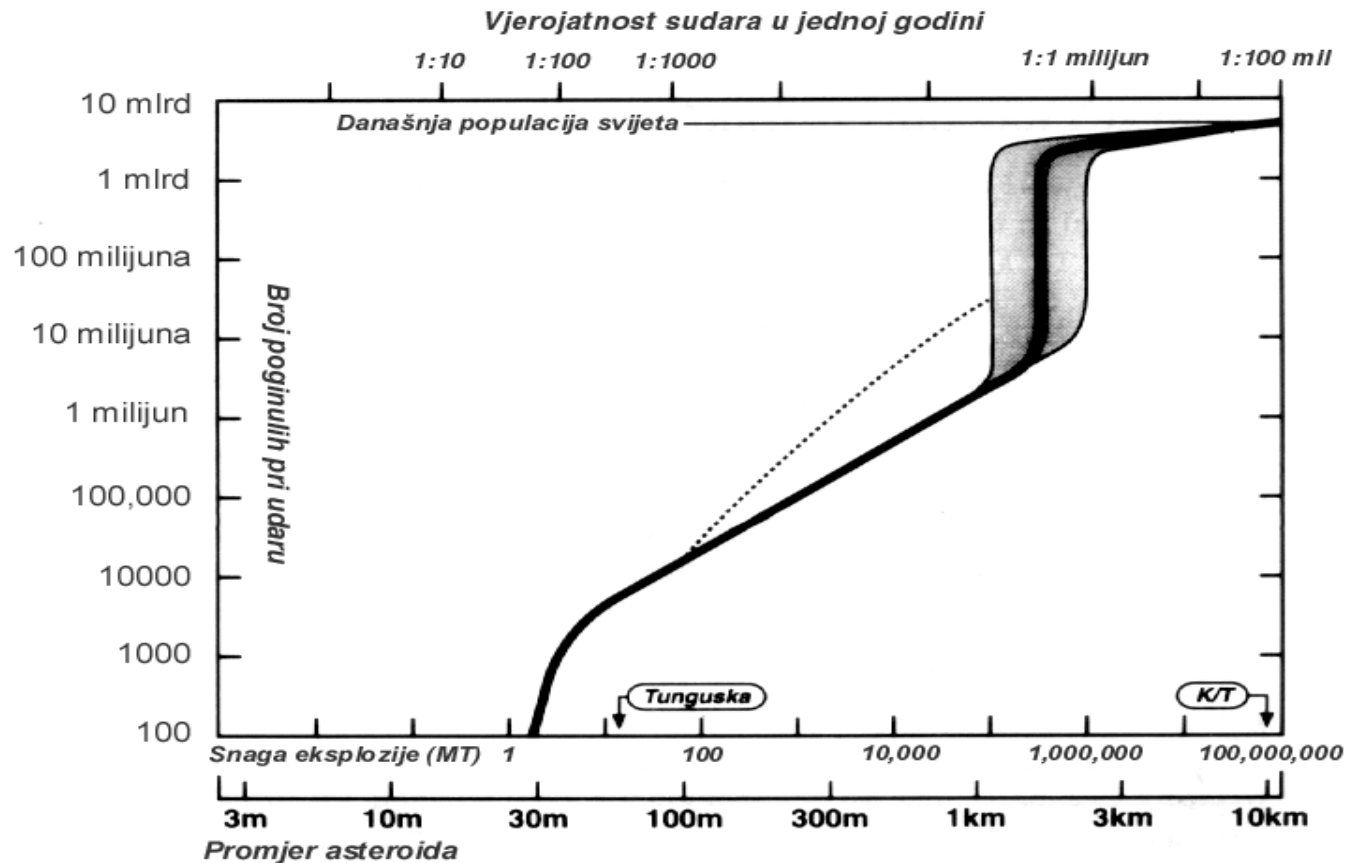
The 100 km wide crater is 214 million years old.

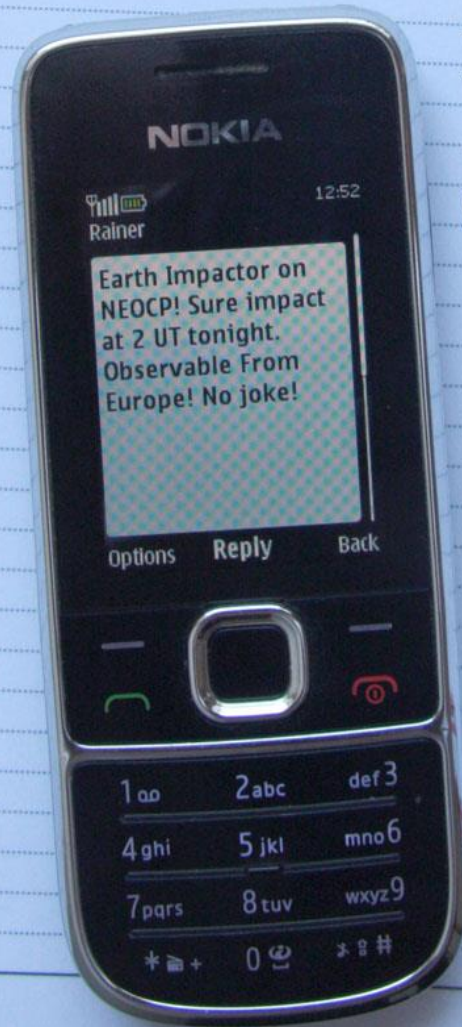




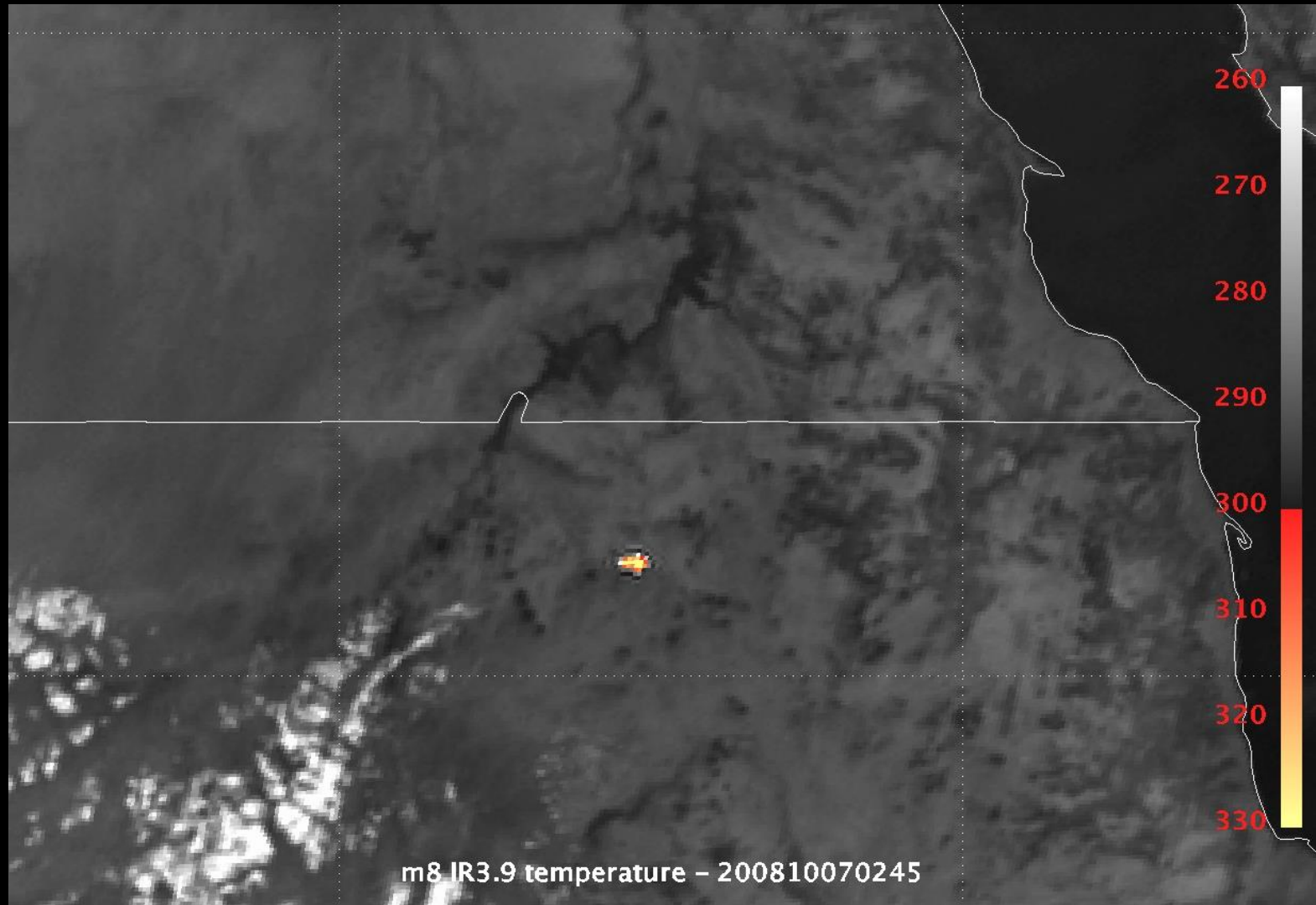


Predviđanja vojske SAD-a o broju poginulih pri sudaru asteroida i Zemlje





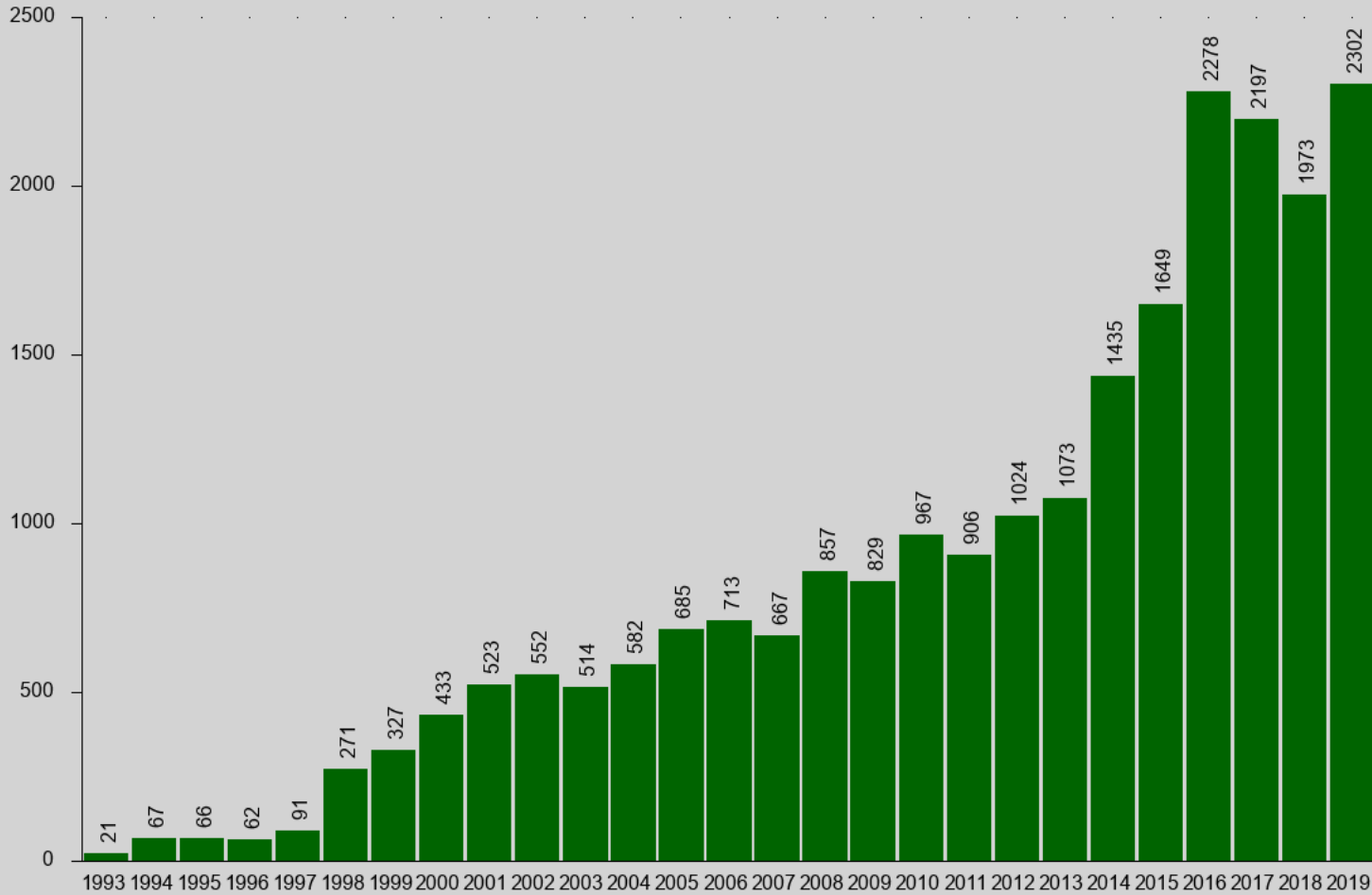
Received:
19:45:55
06-10-2008



m8 IR3.9 temperature - 200810070245

Discovery MPECs each year date: 19.11.2019.

Number of discovery MPECs



Years

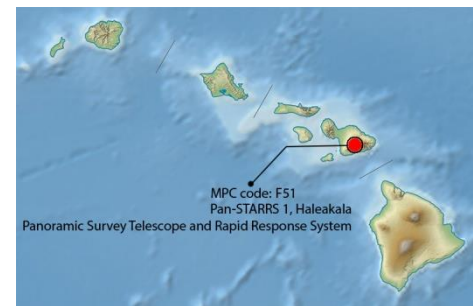
Contact: mpecs@jostjahn.de



MPC code: **MPC F51** - Pan-STARRS 1
MPC code: **MPC F52** - Pan-STARRS 2



Panoramic Survey Telescope and Rapid Response System
1.8 m Ritchey–Chrétien telescope





ATLAS

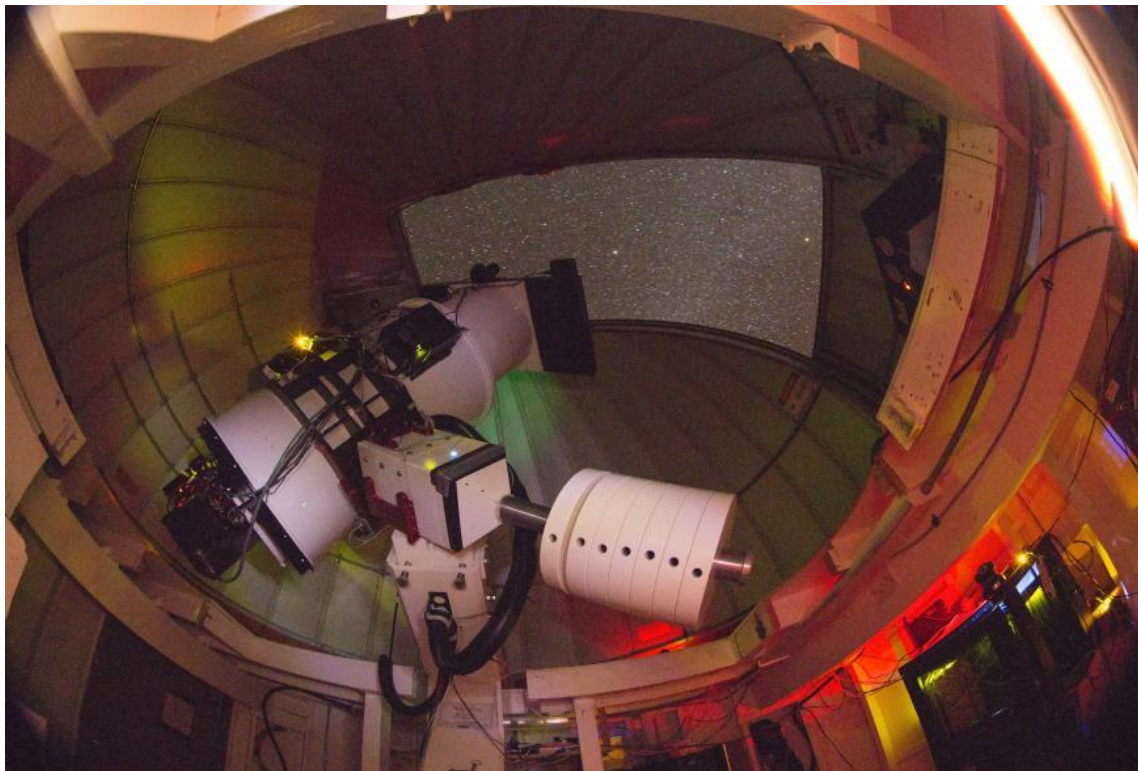
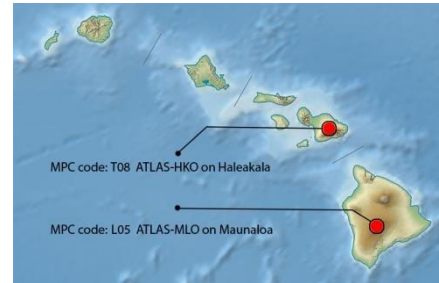
Asteroid Terrestrial-impact Last Alert System

50cm diameter f/2 Wright-Schmidt system



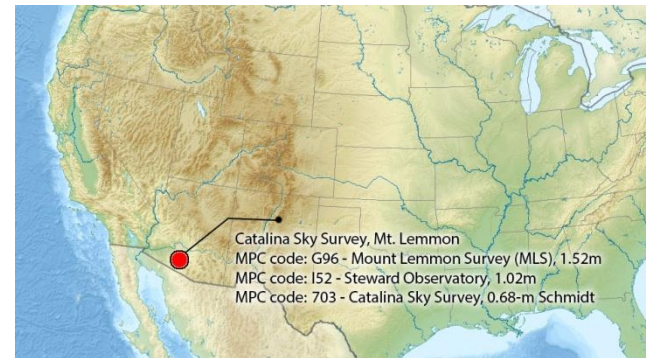
MPC code: T08 ATLAS-HKO on Haleakala

MPC code: L05 ATLAS-MLO on Maunaloa



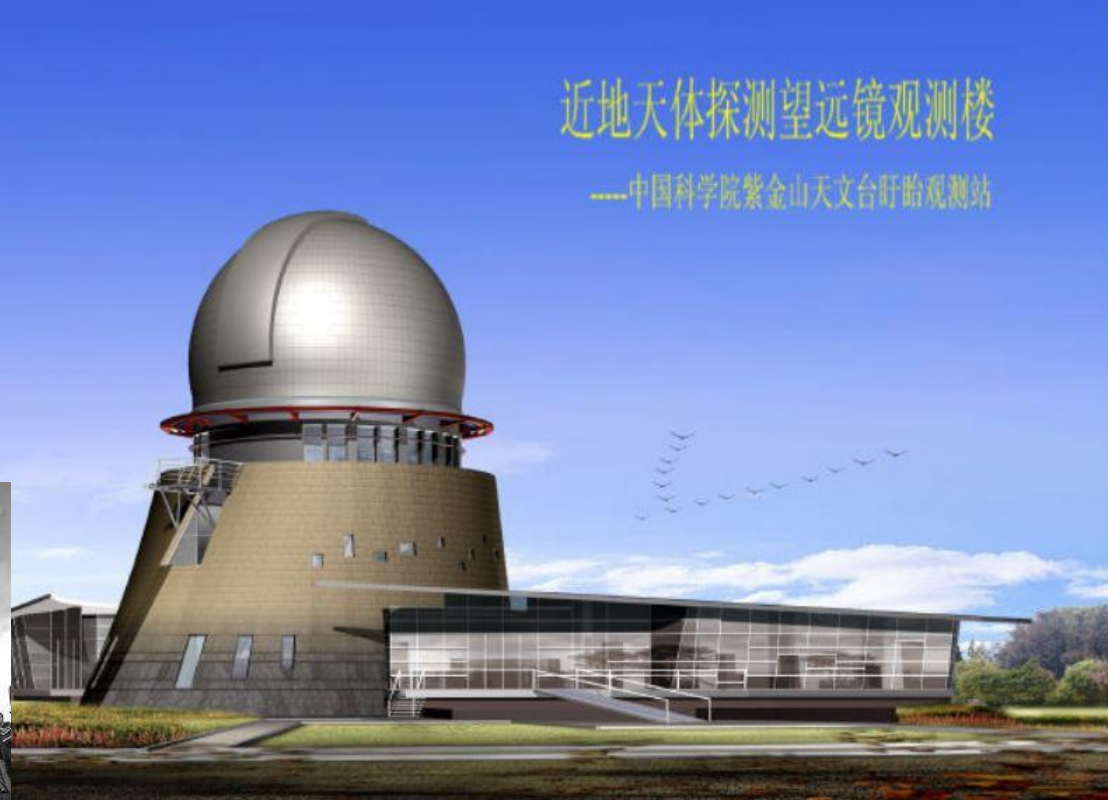


MPC 703
703 Catalina Sky Survey
0.68-m Schmidt + 10K CCD



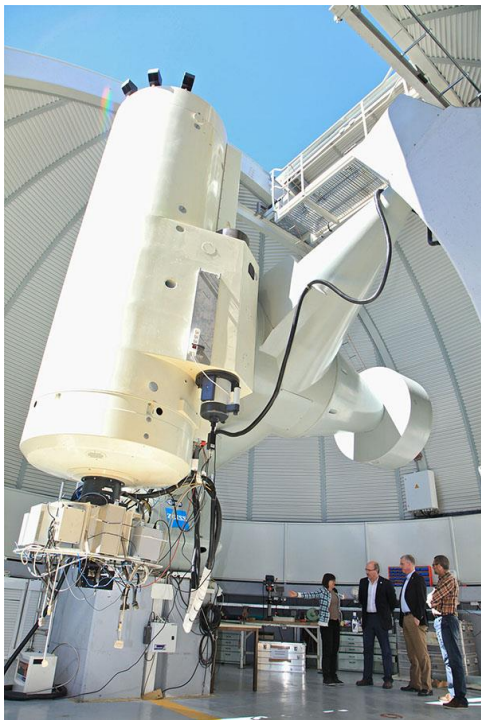


MPC code: **D29**
NEO Telescope of PMO
Xu Yu Observational Station
1m diameter f/1.8 Schmidt system



MPC code: **J04**

ESA Optical Ground Station, Tenerife
1.0 m Cassegrain reflector





MPC L01
Visnjan Observatory, Tičan
1.0 m , f/2.9 reflector



Visnjan School of Astronomy 2018
VONEOF II group



01

MPC code

2018.

MPEC Statistics

<http://mpec.jostjahn.de/MPECS-NORM-CODES-DISCOVERIES.html>

Station codes with 10 % of all *discovery* MPECSs in the given years.

The lines contains the normalized number of *discovery MPECs for the given* station codes and the given year in % of all discovery MPECs for the given year.

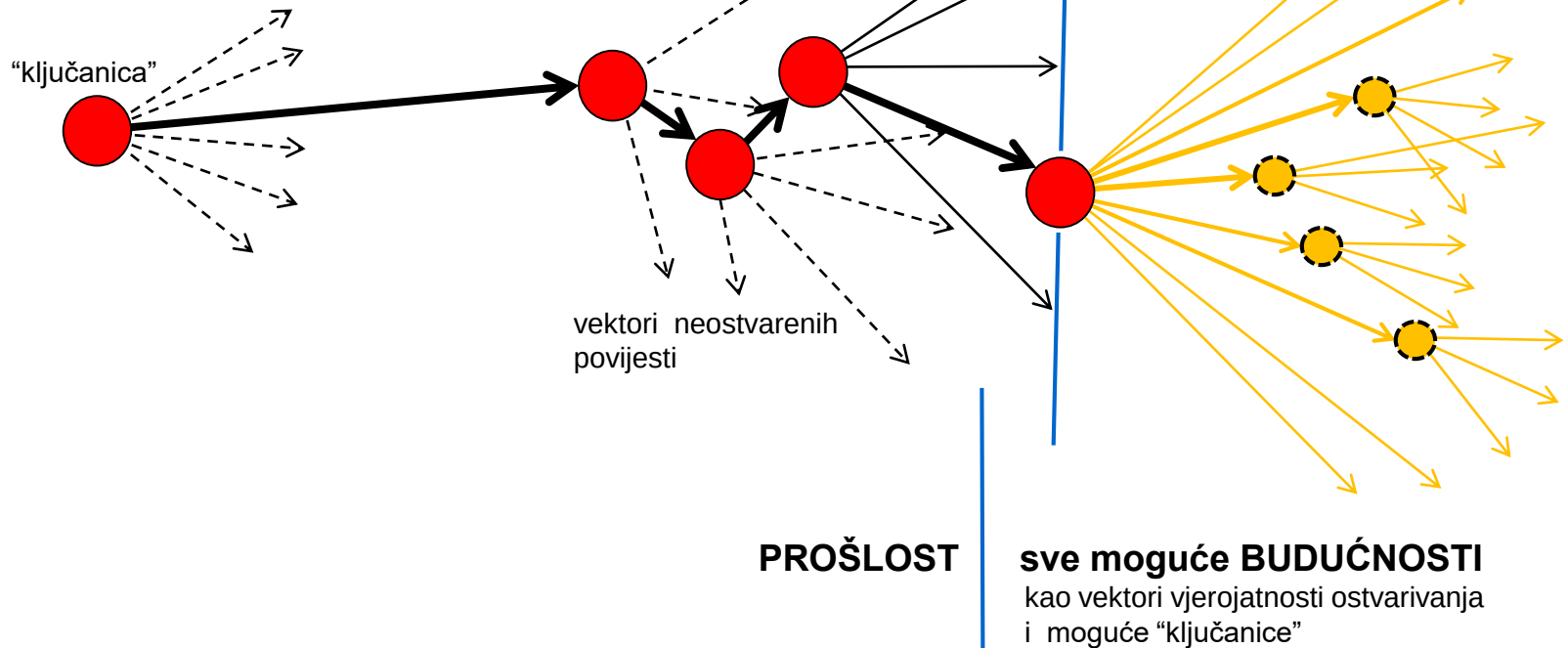
Created at 03-05-2019 05:26:17

Nr.	Station MPCode	2018 ▲ %	
1	<u>I52</u>	652	Steward Observatory, Mt. Lemmon Station
2	<u>G96</u>	479	Mt. Lemmon Survey
3	<u>L01</u>	387	Višnjan Observatory, Tičan
4	<u>F51</u>	294	Pan-STARRS 1, Haleakala
5	<u>H21</u>	290	Magdalena Ridge Observatory, Socorro

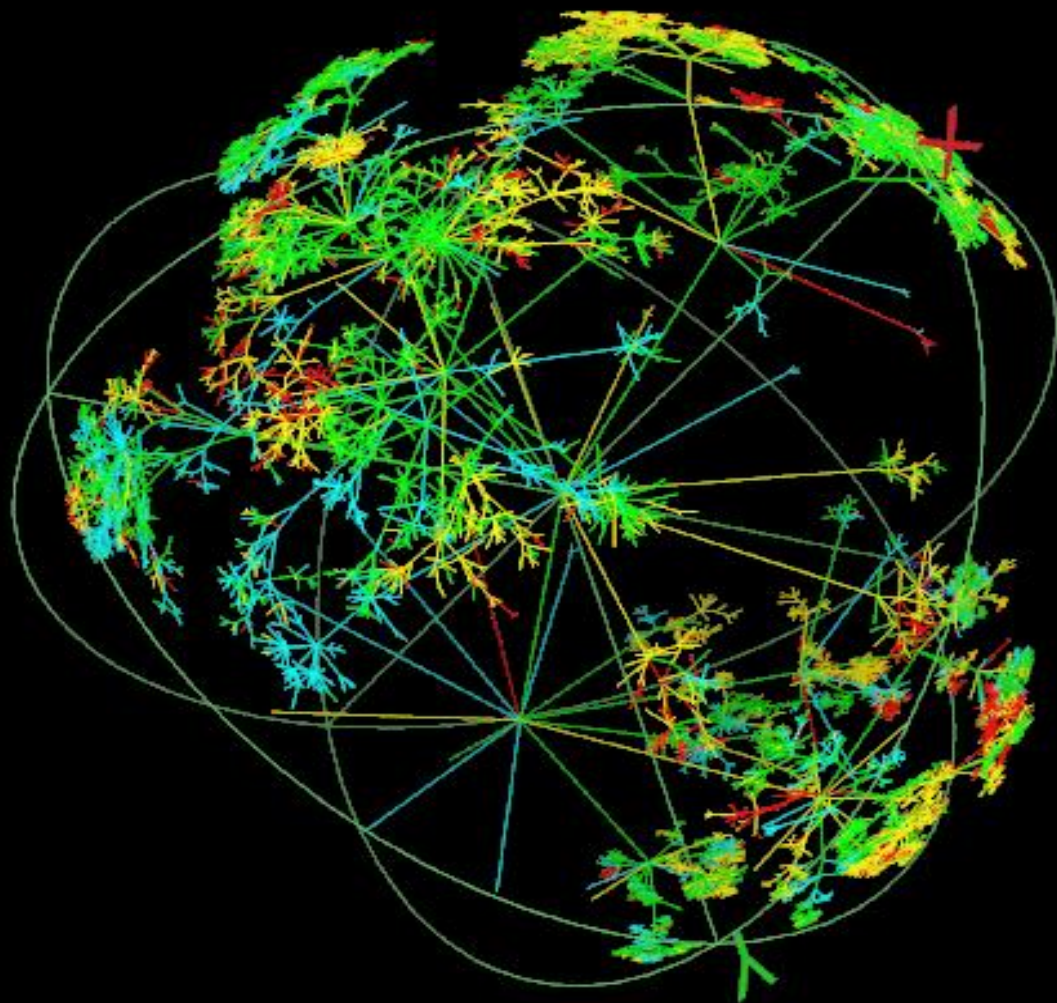
Apophis impact prediction line



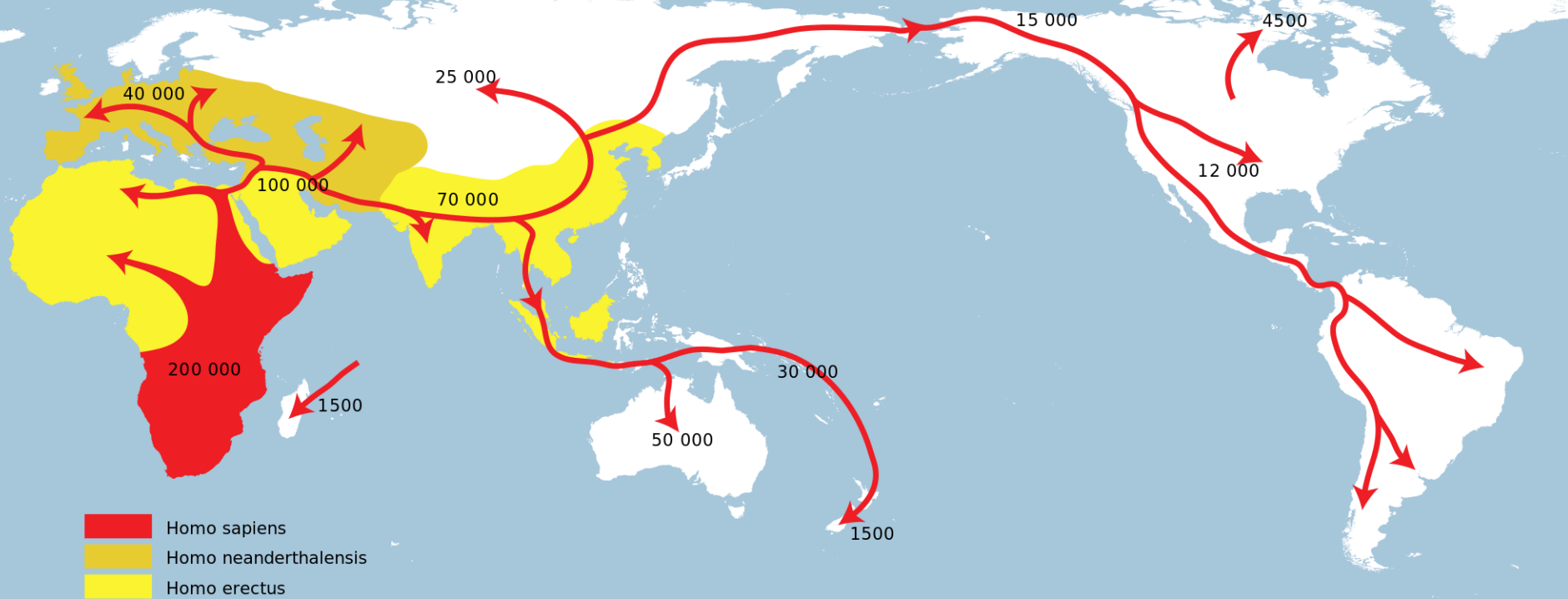
VEKTORI bivših
prošlosti i nadolazećih
budućnosti u **N**
dimenzionalnom prostoru
(jedna dimenzija)



BUDUĆNOSTI,
uvijek kreću od sada



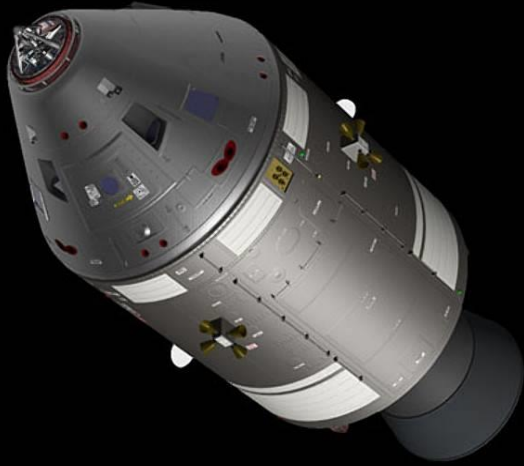


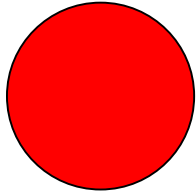


- 4000 g.



Apollo program



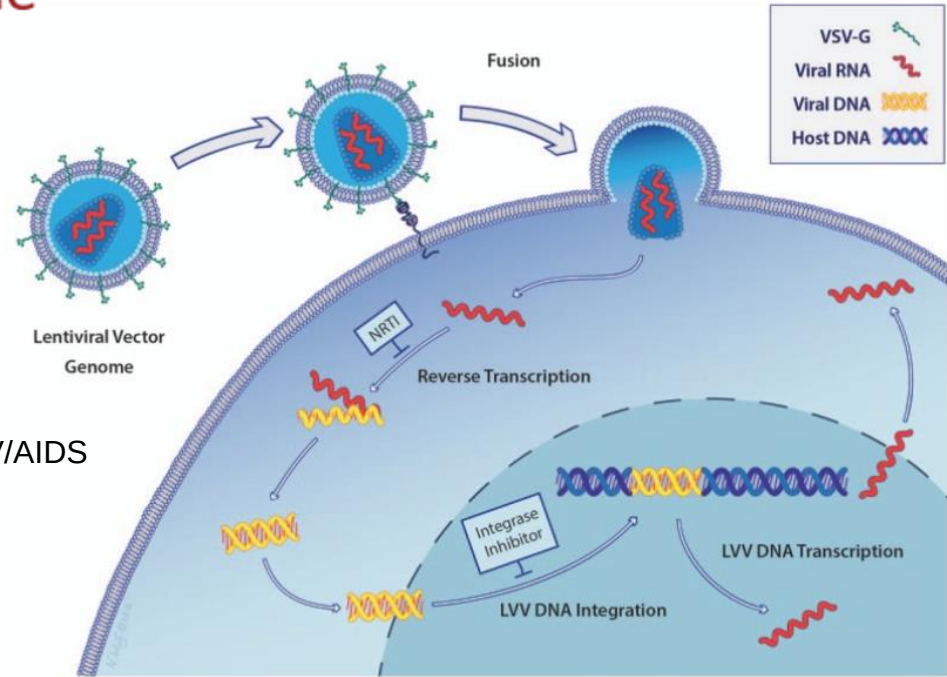


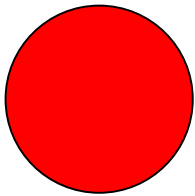
American Gene
Technologies™
Where Creativity Cures™

2019.11.09.

Seeks FDA Approval For Single-Dose Drug To Cure HIV/AIDS
(nbc4i.com)

"Wednesday night was an exciting one for investors and employees at American Gene Technologies," reports a local Maryland news station. "After years in the making, they submitted a nearly 1,000-page document to FDA. And within its pages just may lie the cure for HIV/AIDS."





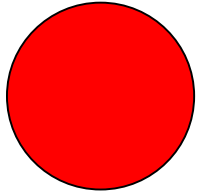
“SPUTNIK moment”



AlphaGo

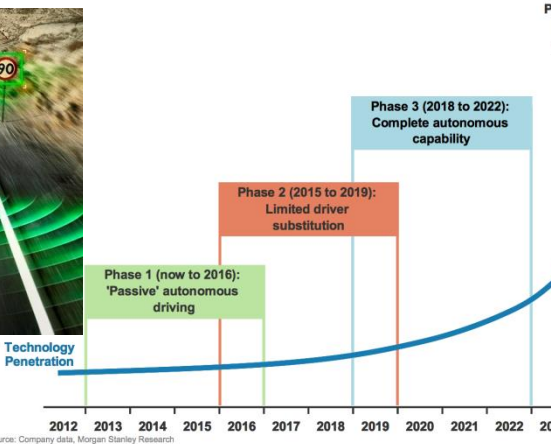
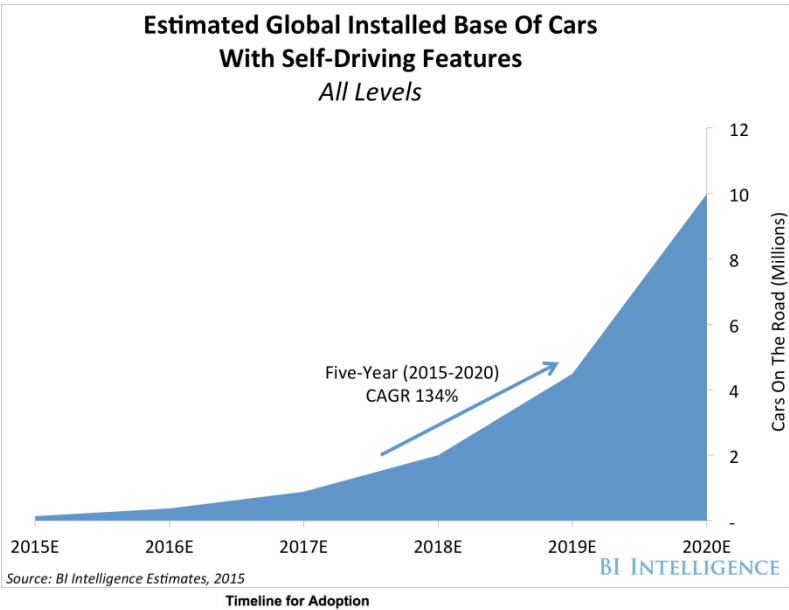
- In March 2016, 9, 10, 12, 13, and 15 it beat Lee Sedol in a five-game match, the first time a computer Go program has beaten a 9-dan professional
- March 26, 2016. IBM Researchers Propose Device To Dramatically Speed Up Neural-Net Learning, speeding up neural network training by a factor of 30,000.



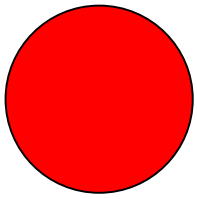


Self-driving cars

May 23, 2016.



- Volvo's UK test, called Drive Me London

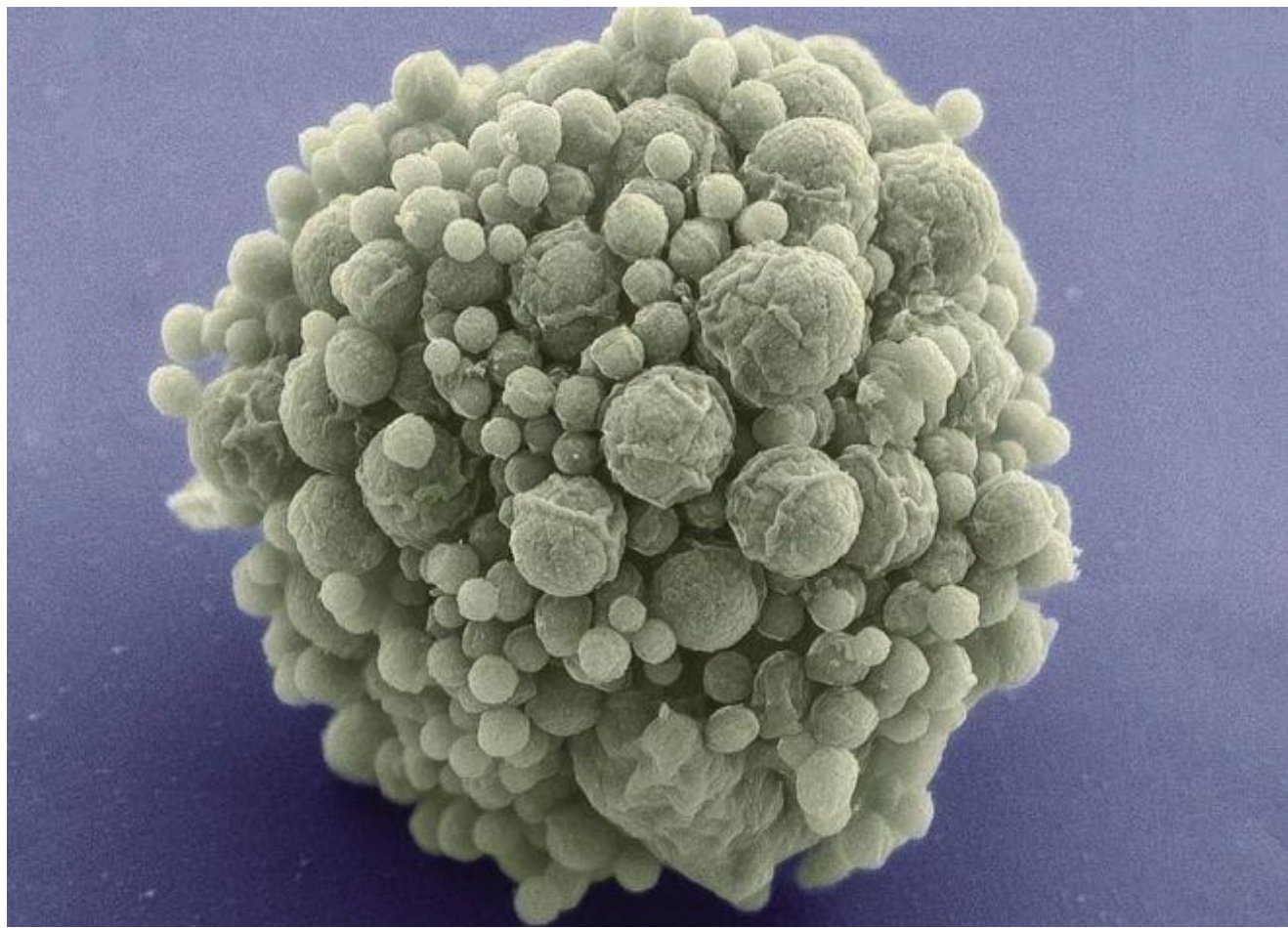


Syn 3.0

25 March 2016

A team led by US research entrepreneur Craig Venter has created a semi-synthetic, functioning bacterium in the lab that has fewer than 500 genes.

This minimal number is lower than in any known free-living bug in nature.

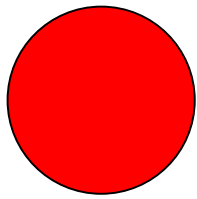


The team reported its first semi-synthetic organism in 2010.

**World's first living organism with fully redesigned
DNA created**
17 May 2019.

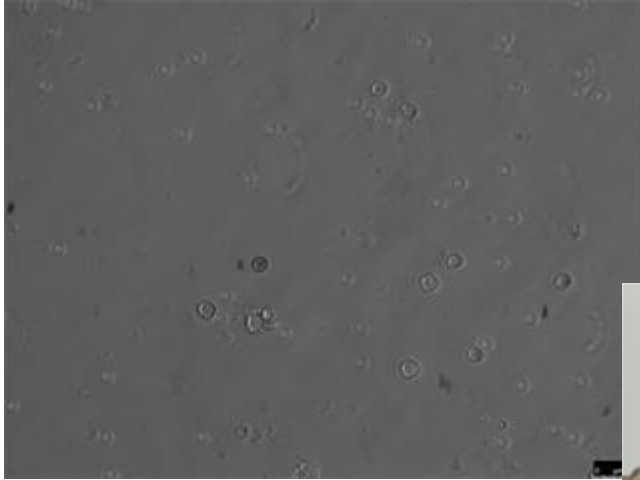
Escherichia coli Syn61



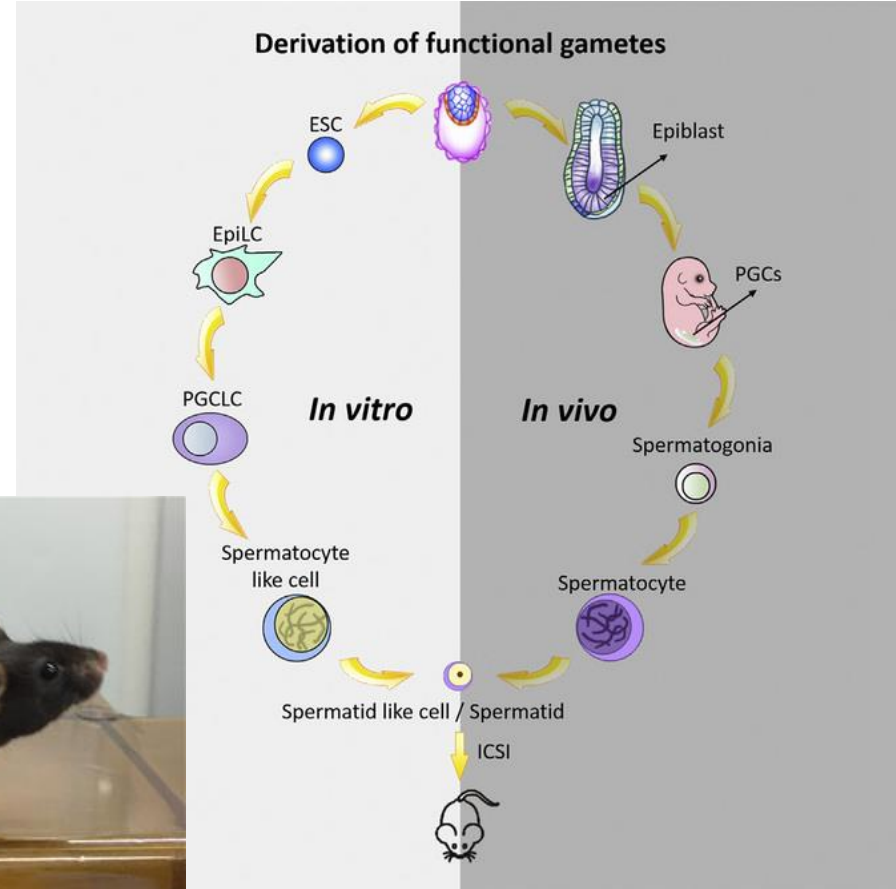
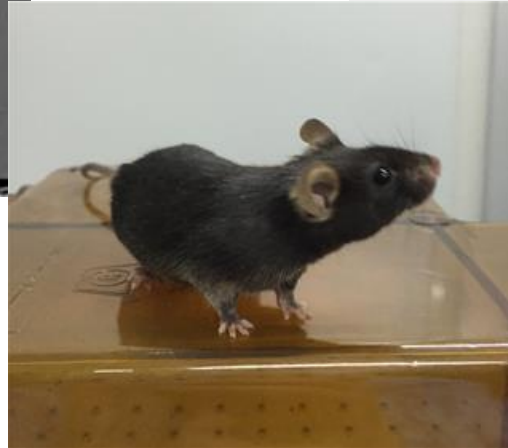


Turning Stem Cells Into Working Sperm Cells

February 26, 2016



This microscope image provided by Xiao-Yang Zhao of the Southern Medical University in Guangzhou, China on Thursday, Feb. 25, 2016, shows rudimentary mouse sperm derived from stem cells.



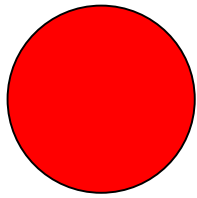
Generation of Bimaternal and Bipaternal Mice from Hypomethylated Haploid ESCs with Imprinting Region Deletions

Zhi-Kun Li, Le-Yun Wang, Li-Bin Wang, Wei Li, Qi Zhou, Bao-Yang Hu

Published: **October 11, 2018**

DOI:<https://doi.org/10.1016/j.stem.2018.09.004>

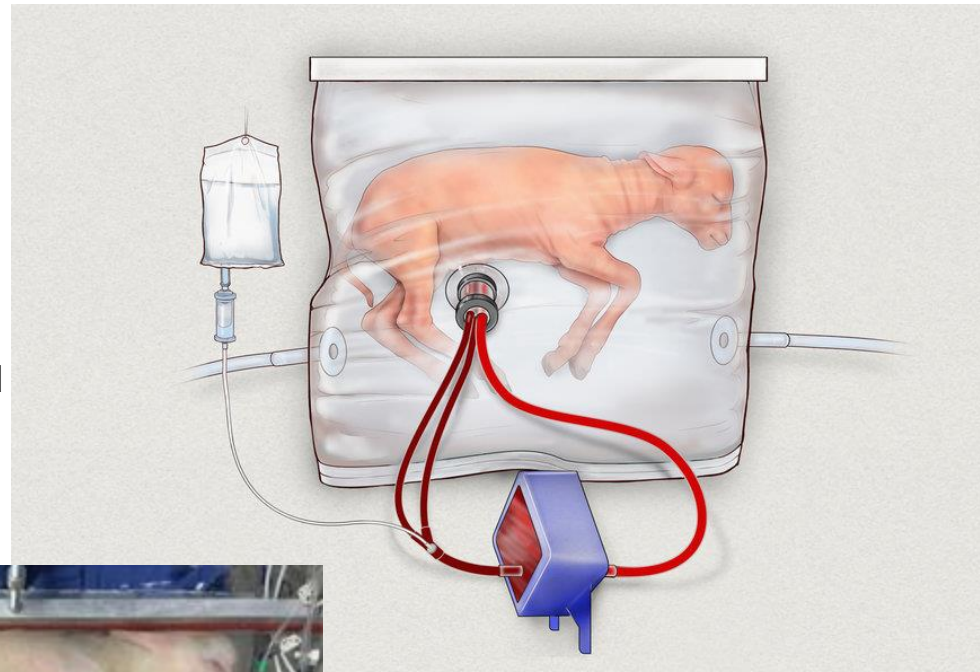


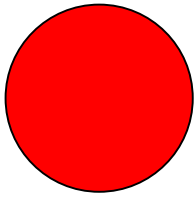


Scientists successfully grow Lambs in artificial womb

The Associated Press:
Apr 25, 2017 7:08 PM ET

offering hope for preemies
The idea of treating preemies in fluid-filled
incubators may sound strange, but
physiologically it makes sense





Stop off Aging

**Peptide targeting senescent cells
restores stamina, fur, and kidney
function in old mice**

Date: March 23, 2017

Source: Cell Press

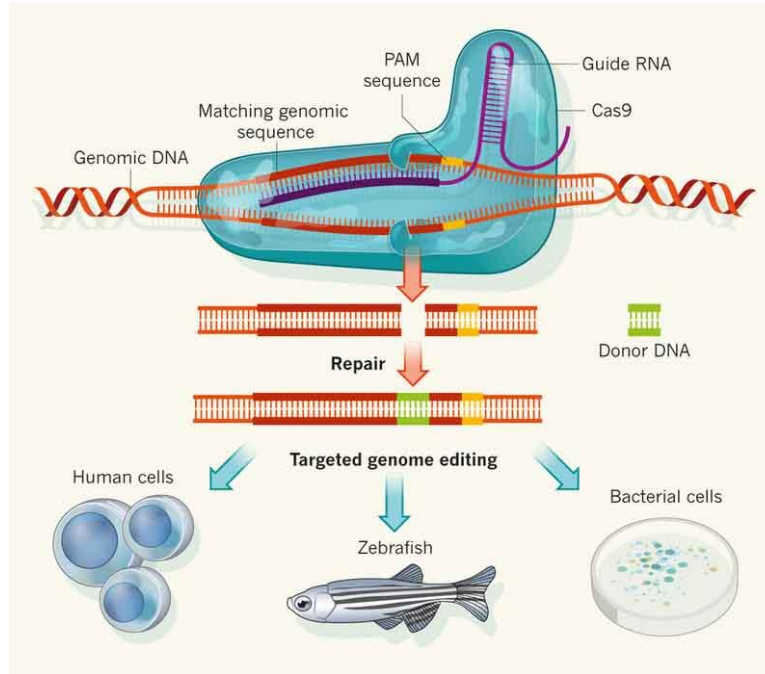
.....by blocking the ability of a protein implicated in senescence, FOXO4, to tell another protein, p53, not to cause the cell to self-destruct. By interfering with the FOXO4-p53 crosstalk, the peptide causes senescent cells to go through apoptosis, or cell suicide.



This photograph shows two fast-aging mice. The mouse on the left was treated with a FOXO4 peptide, which targets senescent cells and leads to hair regrowth in ten days. The mouse on the right was not treated with the peptide.

Credit: Peter L.J. de Keizer

CRISPR Cas9 Genome Editing



Hope from pig organs

Researchers have taken a major step toward cloning pigs whose organs could be safely transplanted into humans, giving new hope to the thousands of ill people waiting for organs.

Xenotransplantation

Process of replacing human organs with those from other mammals

The problem

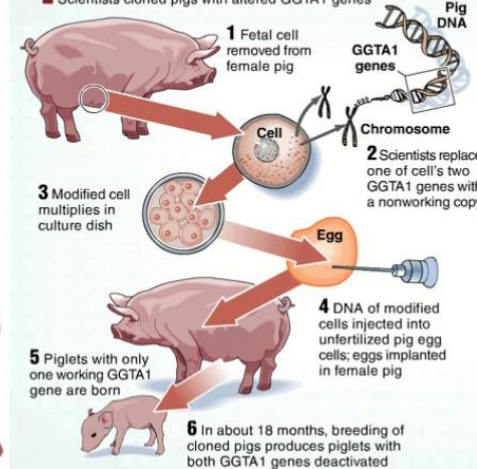
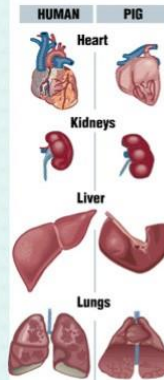
■ Pigs have two copies of the GGTA1 gene, which makes pig cells trigger the human immune system, which then rejects a transplanted pig organ

New solution

■ Scientists cloned pigs with altered GGTA1 genes

A good match

Pigs are promising sources for transplants because their organs closely match the size and shape of humans'



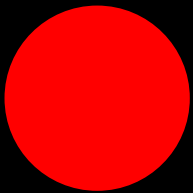
What's next

■ Researchers will work to breed pigs that can't transfer a harmful pig virus to humans

■ If the pigs' organs can be transplanted successfully into chimpanzees or other primates, human testing may start by 2006

Source: Science Express, PPL Therapeutics, United Network for Organ Sharing (U.S.)
Graphic: Chicago Tribune

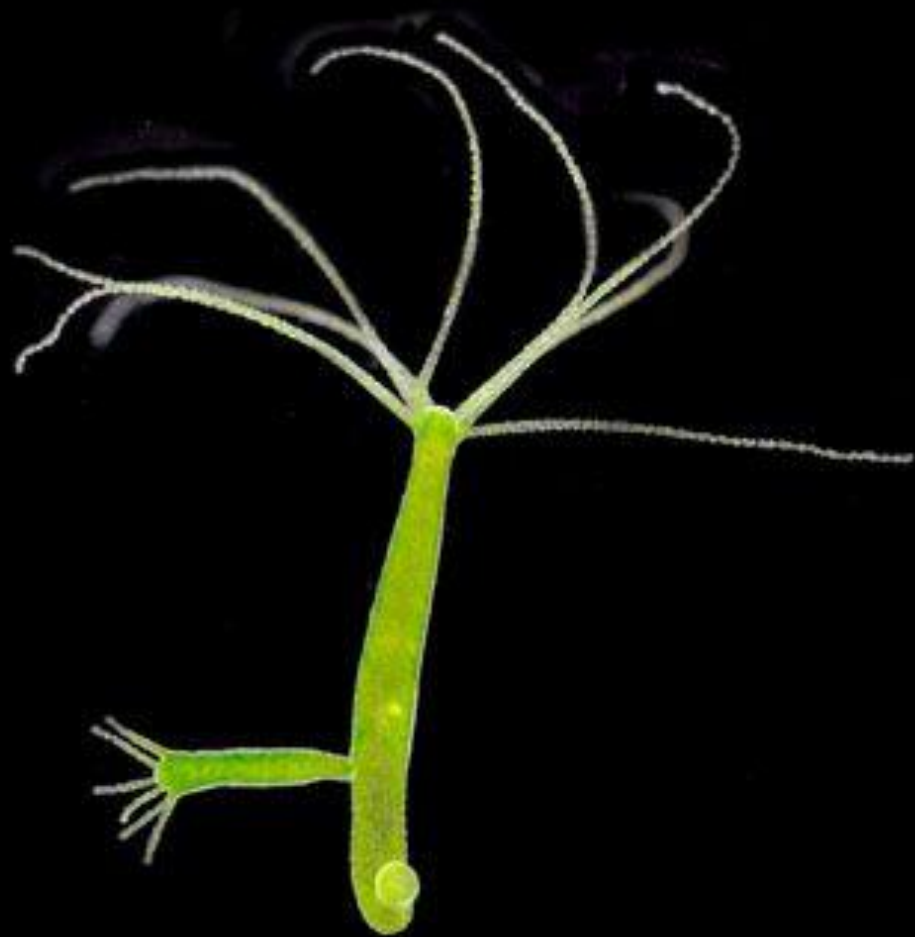
Graphic Selected by SIRS Staff

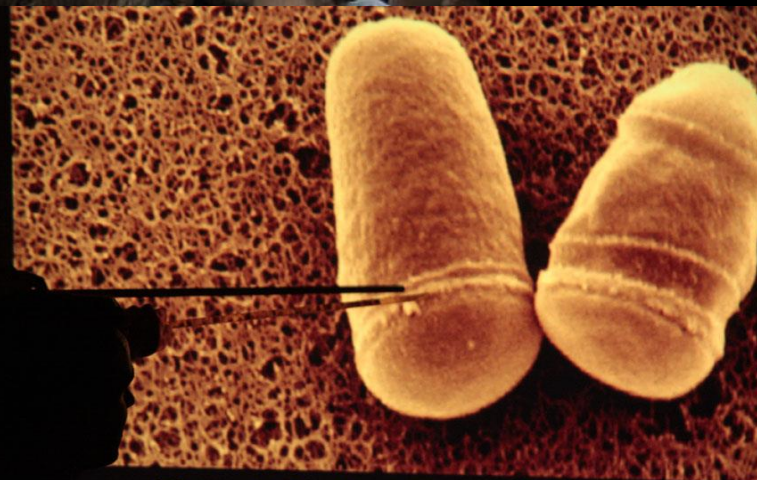


Besmrtnost



Turritopsis nutricula – besmrtnost u praksi





- Miguel Coelho, S3++ S.School, Visnjan, H

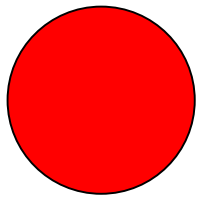
<https://www.youtube.com/watch?v=fRj34o4hN4I>

ATLAS

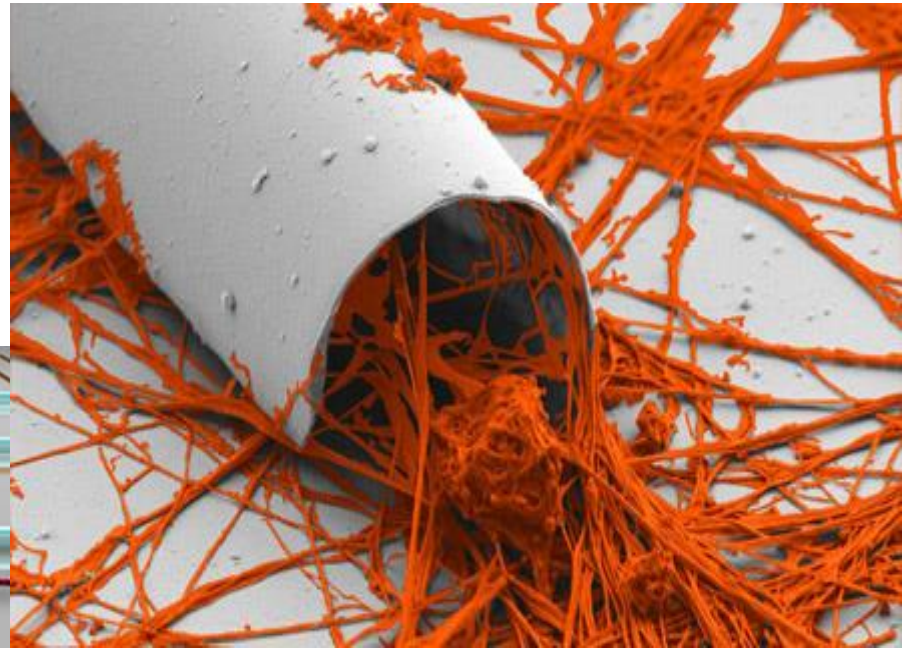
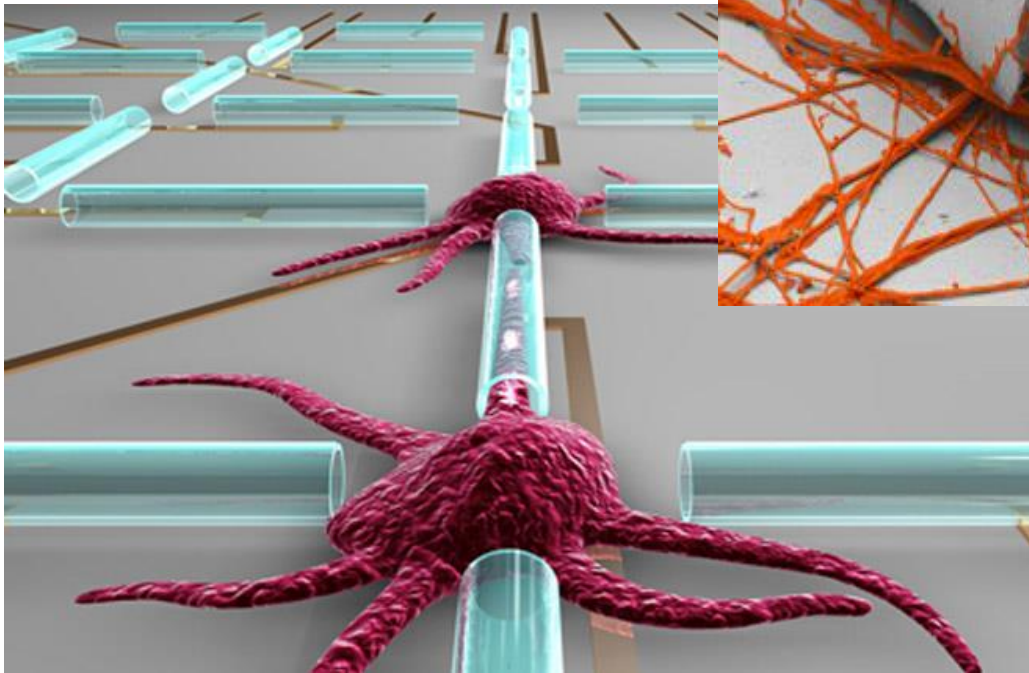








Nerve-Electronic Hybrid





Moon Ribas

I can feel the earth move

Moon Ribas describes her implant which allows her to sense seismic activity. Moon has an implant which allows her to sense seismic activity and feel earthquakes happening in real-time all around the world. She then translates this new sense on stage; in her main dance piece – Waiting for Earthquakes – she waits for an earthquake to take place and then moves according to the seismic intensity.

Moon Ribas co-founded the Cyborg Foundation with Neil Harbisson. The organisation aims to help people become cyborgs, defend cyborg rights and promote cyborgism as an artistic and social movement.

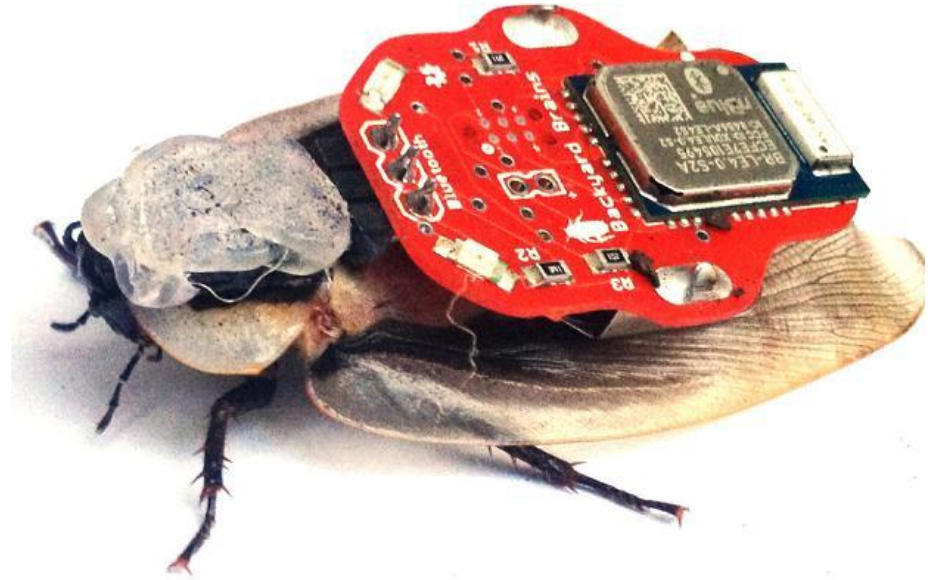


The RoboRoach \$ 99.99

<https://www.backyardbrains.com/>

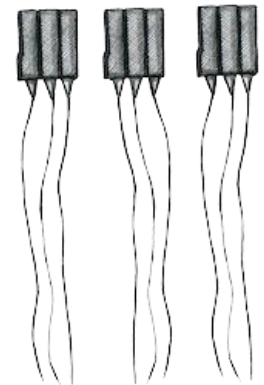
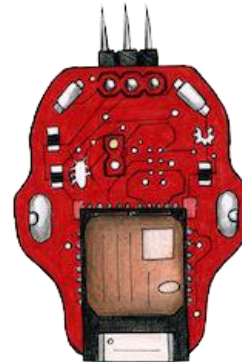
Cockroach Control System

.....turning abruptly right or left in response to commands sent from an iPhone



Technical Specs:

- 1x Free iOS or Android 4.3+ application for remote control
- 1x Bluetooth Roboroach backpack control unit
- 1x 1632 RoboRoach Battery
- 3x Electrode Sets (to implant 3 Roaches)







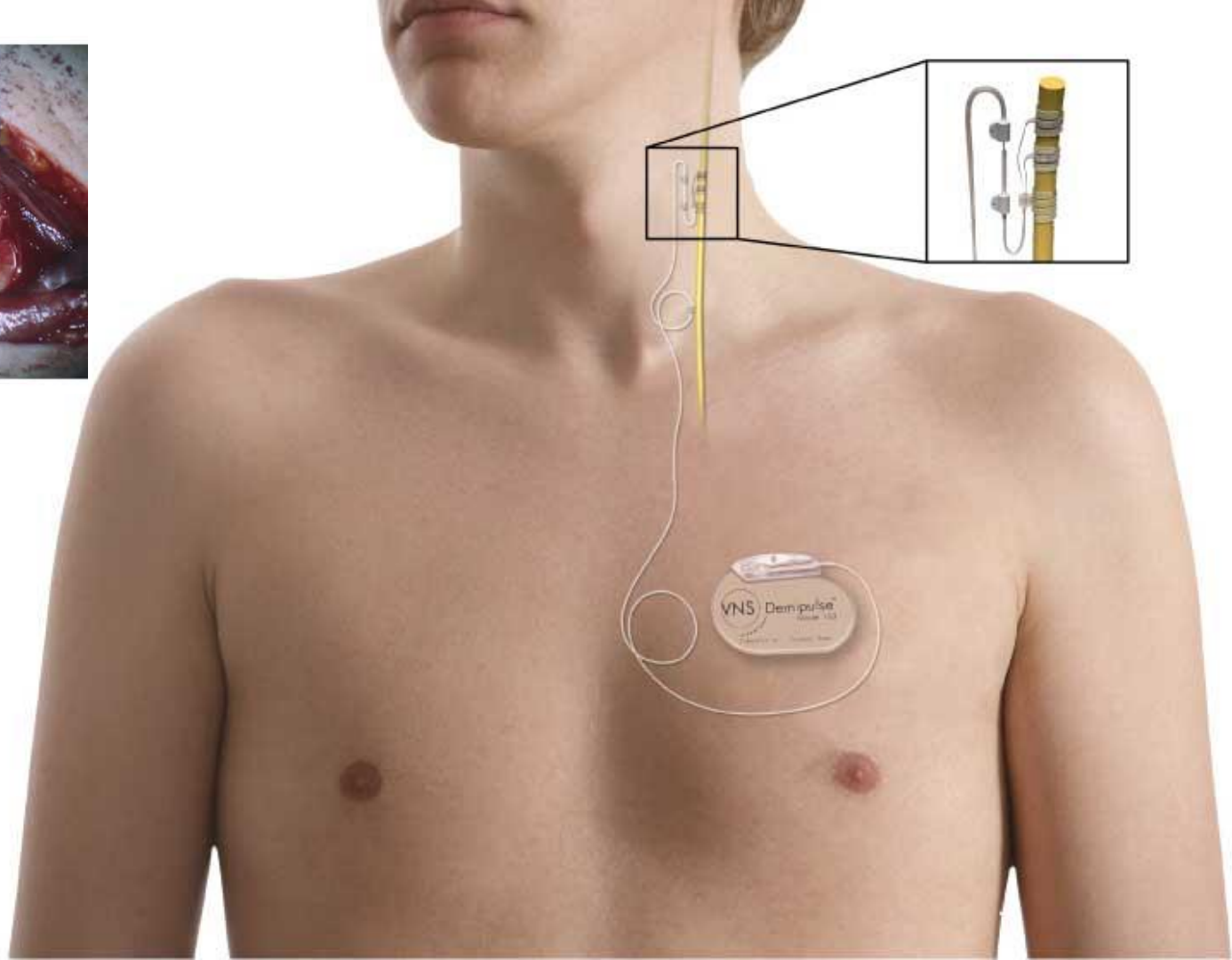
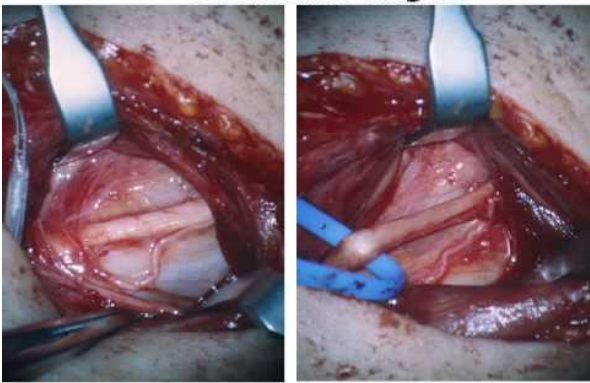
NeuroSky MindWave - EEG Brain Wave Activities

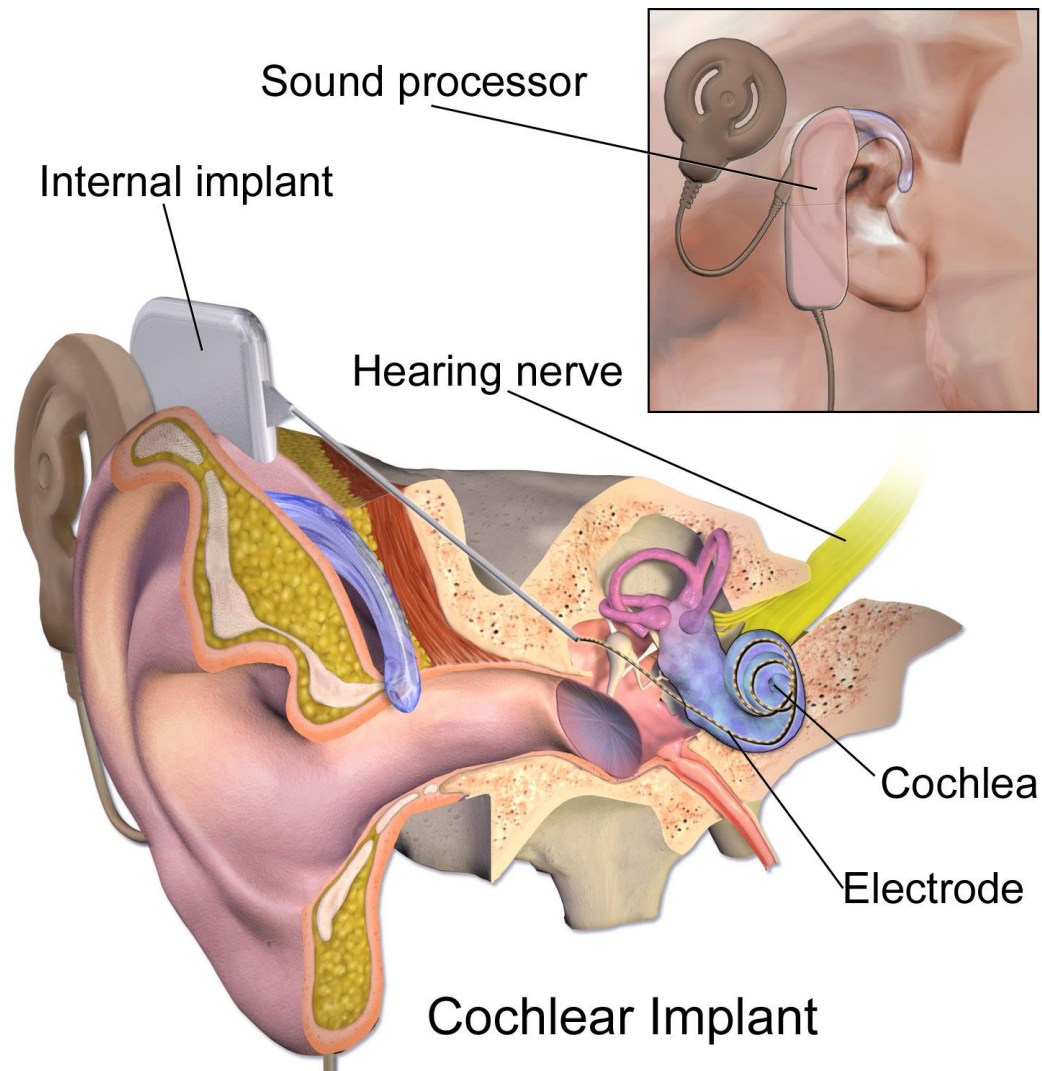
Item Number: 3152736

Price: **\$79.95**



De nervus vagus





Sound processor

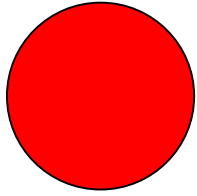
Internal implant

Hearing nerve

Cochlea

Electrode

Cochlear Implant



Prva bitka ROBOTI – LJUDI



Latakia, Siria, 24. prosinca 2015.

“Russian specialists and Russian combat robots, took the strategic tower of "Syriatel", 754m in height”.
Battle won in 20 minutes after the start of the combat robot's attack, **70 humans killed**



robotic groups independently conducting warfare:

"Platform-M" - 6

"Argo" - 4

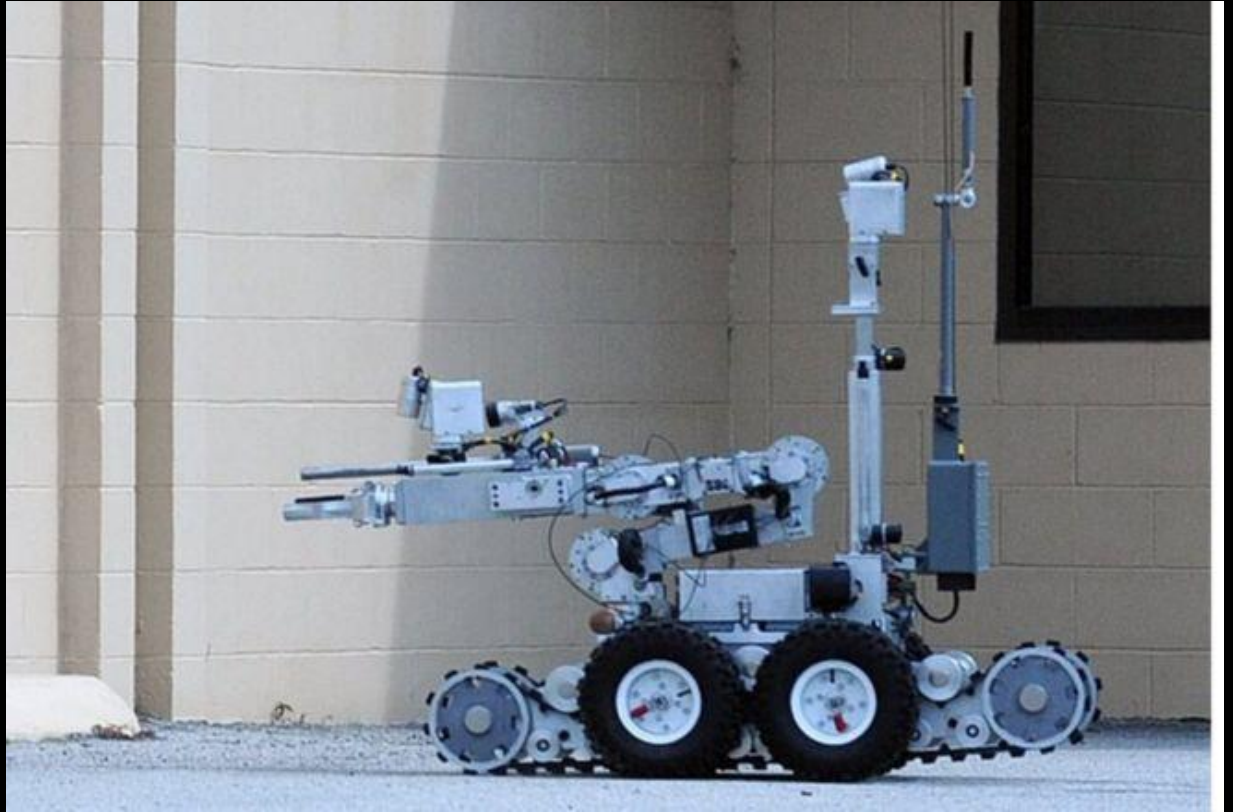
“(SAU) "Acacia" - 1

"drone" - 2

- automated control system "Andromeda-D"

“Dallas shooting”

July 7, 2016

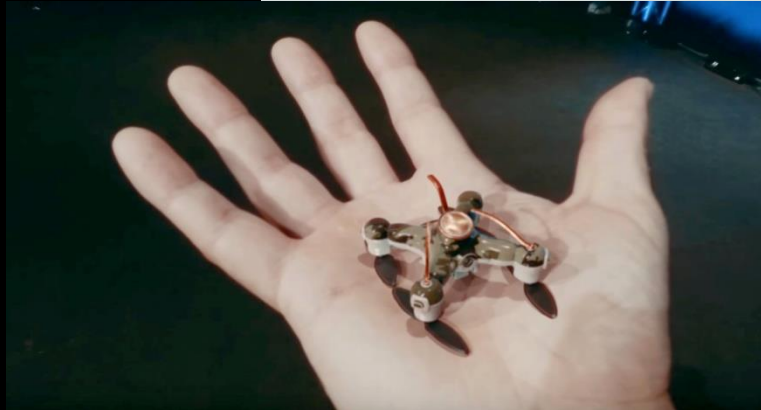
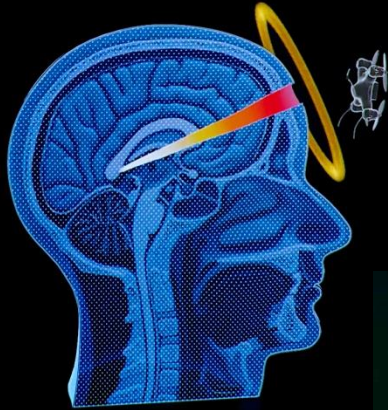


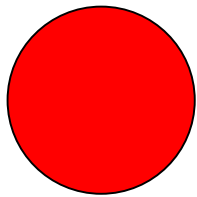
A Remotec Andros F-6A bomb-disposal robot was used to kill the gunman

MICRO DRONES KILLER ARMS ROBOTS

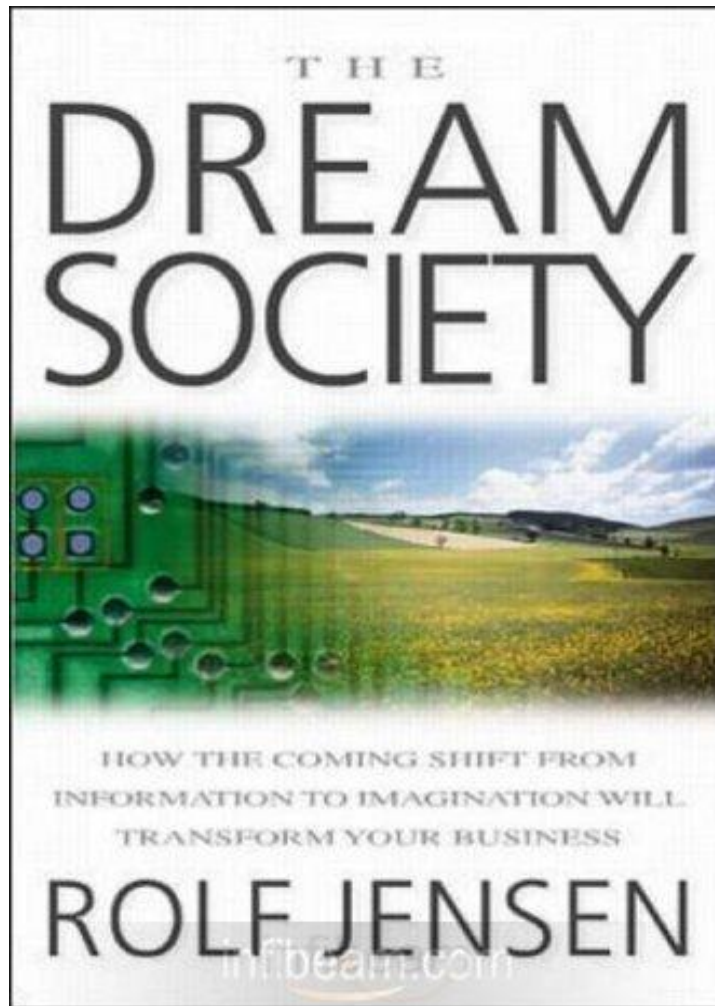
YouTube

<https://youtu.be/TIO2gcs1YvM>





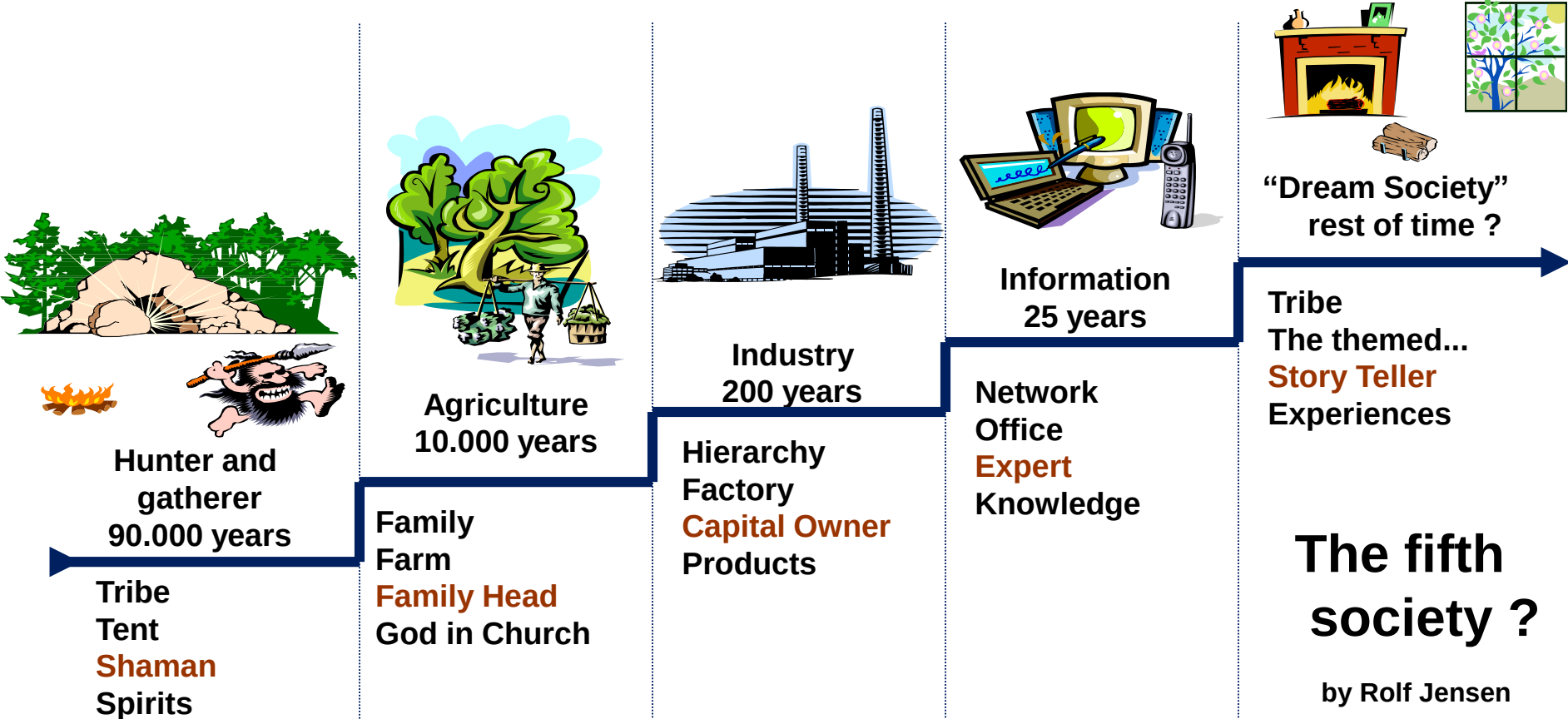
**Društvo doživljajne
ekonomije**



Rolf Jensen

The DREAM SOCIETY

Društvo snova





JIM CARREY
the **TRUMAN** show
www.trumanshow.com

FROM THE CREATORS OF THE TRUMAN SHOW

JIM CARREY



TRUMAN
LIFE AFTER THE SHOW





<http://nr.news-republic.com/Web/ArticleWeb.aspx?regionid=48&articleid=53143276>





Jeremy Laurance: The terrible harm that alternative medicine can do

Medical Life

Types of Integrative Medicine

- Aromatherapy
- Art Therapy
- Biofeedback
- Chinese Medicine
- Chiropractic
- Energy Healing
- Herbal
- Homeopathy
- Hypnotherapy
- Imagery
- Massage Therapy
- Meditation
- Music Therapy
- Naturopathy
- Osteopathy
- Relaxation Techniques
- Shamanism
- Spiritual Healing
- Vitamin Therapy
- Yoga





Najveća
epidemija je
kršenje prava
roditelja i djece!

sta je
resije!

Djeca nisu
vlasništvo
države!

Prava roditelja:
NEMA IH
ukoliko misle
drugačije!?

50 M
ZLO
AUTIZ
DIJABE
ALERGI
ZASTOJA
I OSALIM
NUSPOJA



Socijalna "ravnoteža" i kulturni kolaps



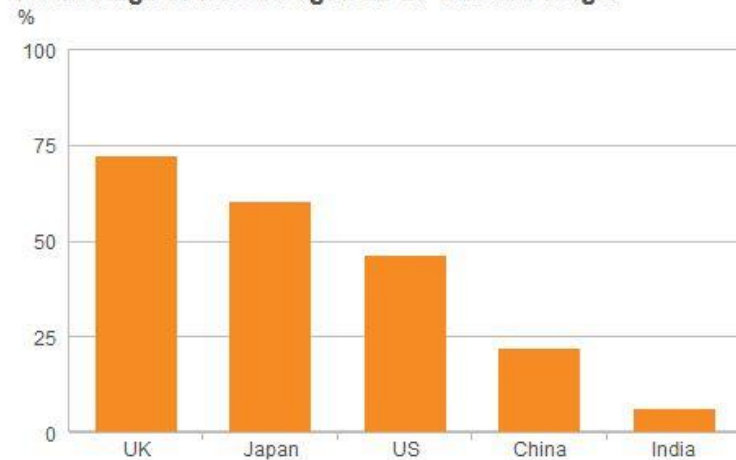
Mattel and National Geographic
.....to inspire kids to pursue STEM fields.



Astrophysicist Barbie



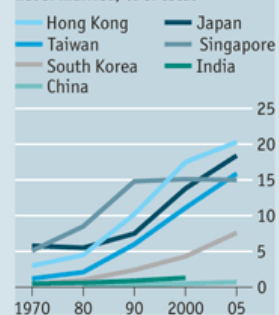
Percentage of women aged 25-29 who are single



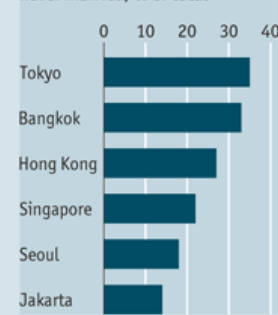
Source: UN, World Marriage Data 2012

On the shelf

Women aged 35-39 who have never married, % of total



Women aged 30-34 who have never married, % of total

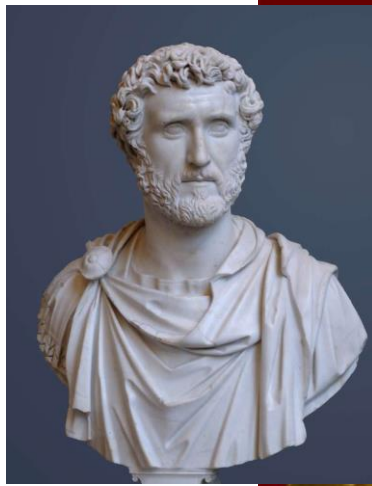


Men aged 25 and over who will fail to marry, China



Sources: Asia Research Institute; Asian Meta Centre; Ebenstein and Sharygin (2009): The Consequences of the "Missing Girls" of China

Congiarium



Marcus Cornelius Fronto
(c. 100 – late 160s)

I consider it good policy that the prince did not neglect the theatre or the circus and arena, as he well knew that there are two things which the Roman applaud especially—the distribution of grain, and games. The neglect of the important thing [grains] causes great harm, of the frivolous thing [entertainment] greater hatred—the crowd hungering more for games than for bread, because by the gift to the people [congiarium] only those who are authorized to receive the grain will be gratified, while by the games the whole population is pacified.

— Fronto, *Prim. Hist.*, p. 249, ed., Barthold Georg Niebuhr



Kontrola agresivnosti “mase”: povijesna iskustva “IGARA” – prodaja snova

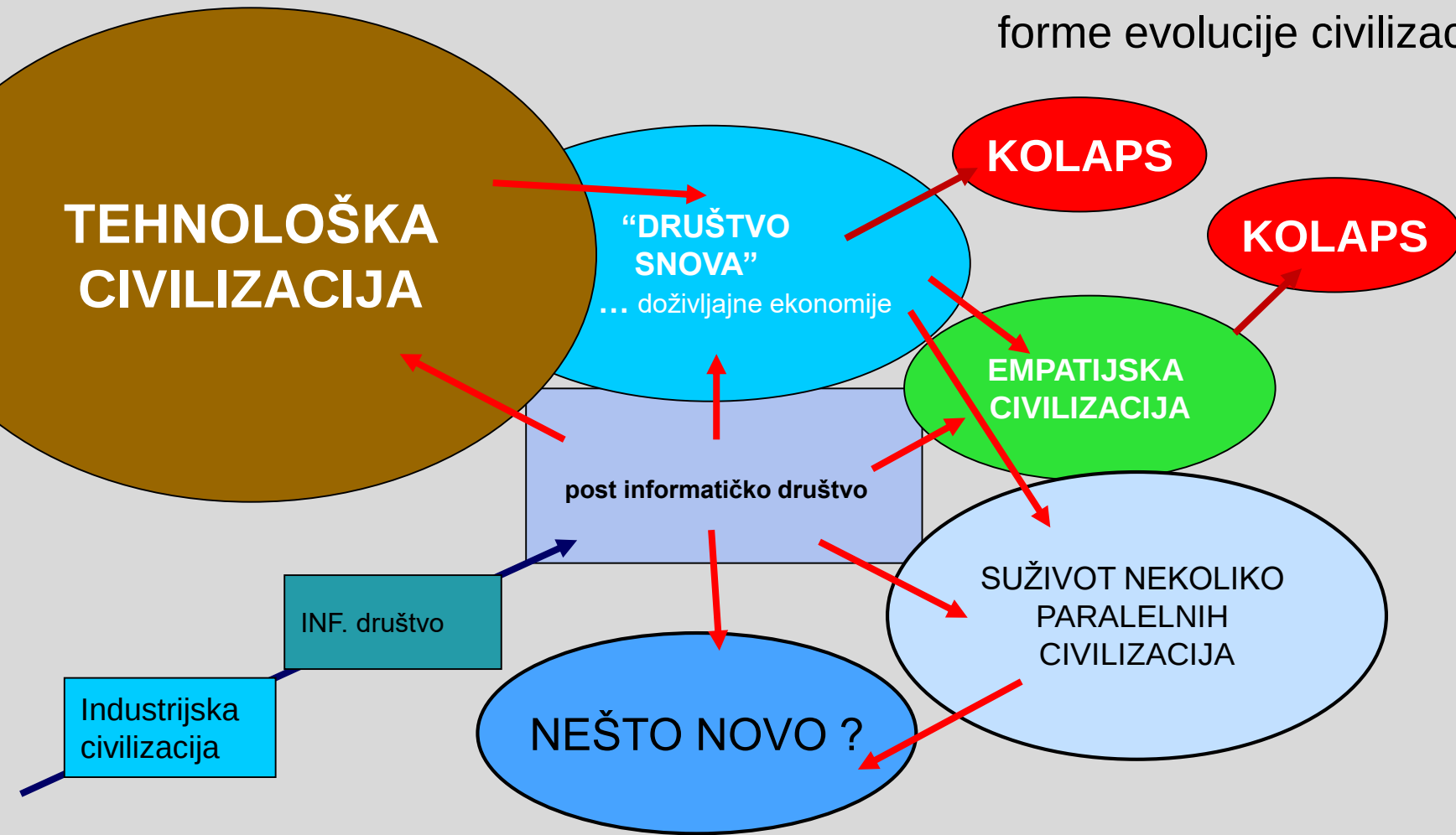


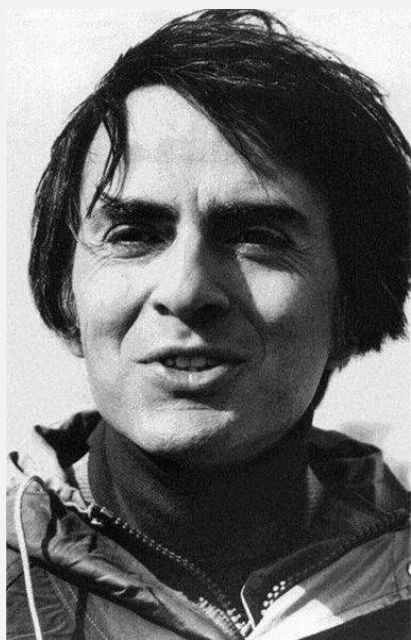
doživljajna ekonomija

nogometaš ~

1000 nastavnika fizike,
biologije. Povijesti, zemljopisa,
liječnika,







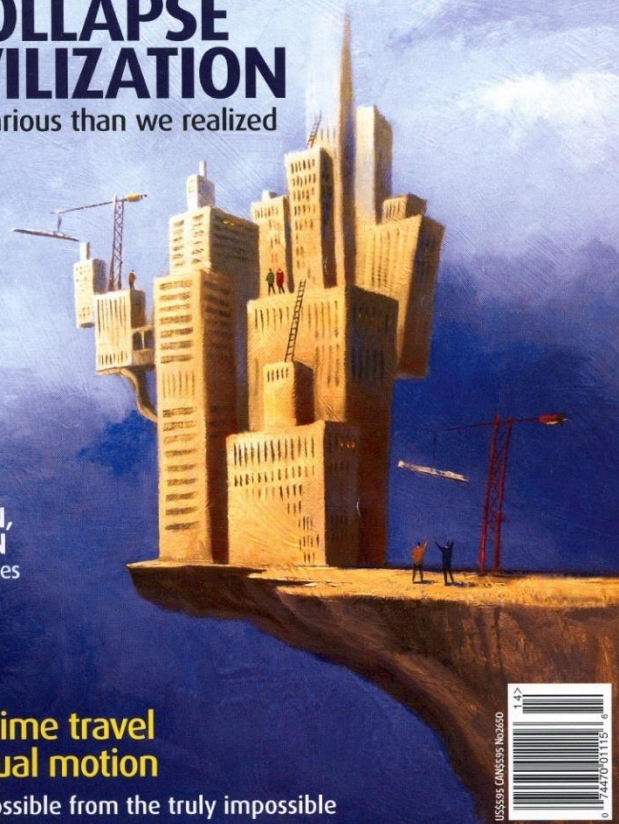
Mi živimo u društvu koje apsolutno ovisi o znanosti i tehnologiji, u kojem većina gotovo ništa ne zna o znanosti i tehnologiji.....

..... To je recept za katastrofu.

- Carl Sagan -

THE COLLAPSE OF CIVILIZATION

It's more precarious than we realized



**TROUBLED MEN,
SMART WOMEN**
Beware sexy theories
of sex differences

**Telepathy, time travel
and perpetual motion**
Sorting the impossible from the truly impossible



Why the demise of civilisation may be inevitable

02 April 2008, Debora MacKenzie ,
Magazine issue 2650

DOOMSDAY.

The end of civilisation.

Every civilisation in history has collapsed, after all. Why should ours be any different?

.....

Disturbingly, recent insights from fields such as complexity theory suggest that they are right. It appears that once a society develops beyond a certain level of complexity it becomes increasingly fragile



Time capsule

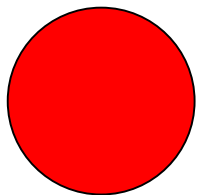
The Helium Centennial Time
Columns Monument located in
Amarillo, Texas - 4 time capsules

THE OZYMANDIAS PROJECT
To save the Literature, Art, and
Science of our Civilization for the
ones to follow.

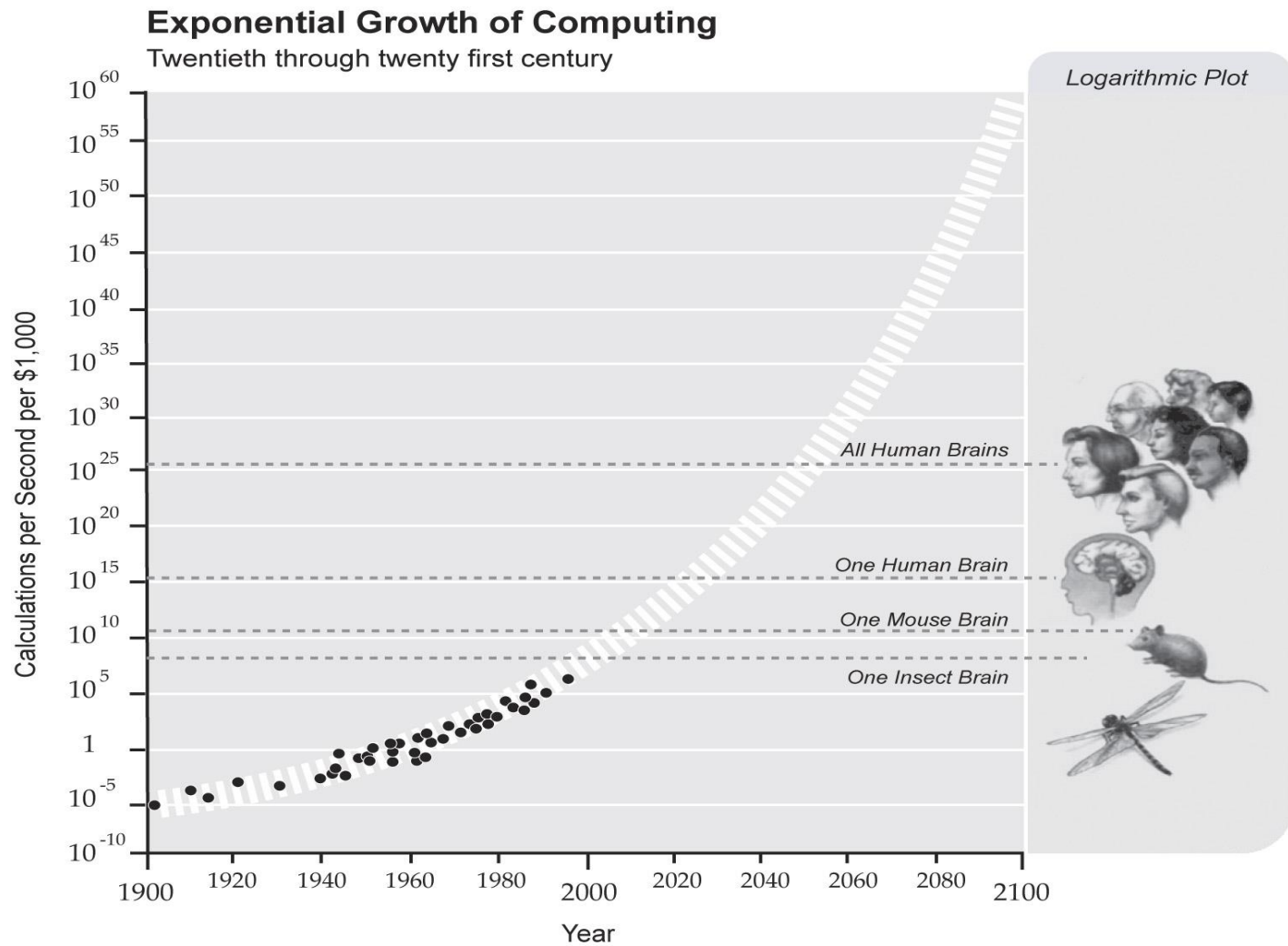
The Crypt of Civilization, Oglethorpe University,
Atlanta, Georgia,







SINGULARITY

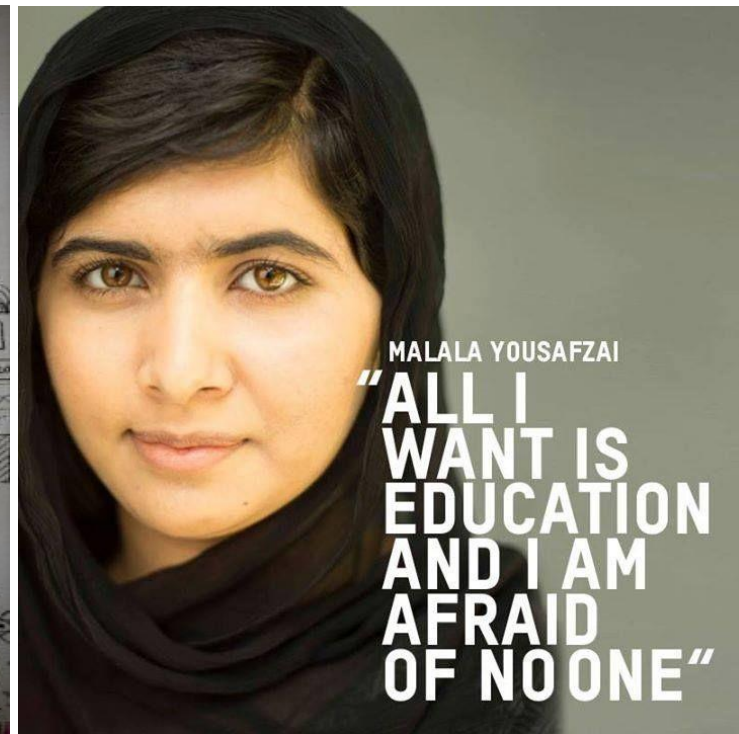


***Homo sapiens – novo
Homo superior
Homo symbiota
Homo machina***



EDUKACIJA

odgoj za budućnost



World Economic Forum's Future of Jobs Survey:

“a wide range of occupations will require a higher degree of cognitive abilities — such as creativity, logical reasoning and problem sensitivity — as part of their core skill set.

I believe in a future where the point of education is not to prepare you for another useless job, but for a life well lived

”

Rutger Bregman
Journalist and Author

Odgoj(i) za budućnost

- Grupe formirane prema interesu a ne dobi
- Sposobnost rada u grupi / u projektu
- Sposobnost stalnog učenja
- Sposobnost uočavanja struktura i odnosa
- Prepoznavanje tipa informacija
- Logičko razmišljanje
- Strast
- Kreativnost
- Poduzetnost
- Nema potrebe učenja činjenica (domaća zadaća prije školskog sata)
- učeniku trebaju barem 3m² radnog prostora
-

PODUZETNOST I INICIJATIVNOST UČENIKA OSNOVNIH ŠKOLA U REPUBLICI HRVATSKOJ: *POPULACIJSKA PERSPEKTIVA*

Boris Jokić, Zrinka Ristić Dedić, pedagozi osnovnih škola
Krapinsko-zagorske, Međimurske, Varaždinske, Zagrebačke županije i Grada Zagreba



Institut za društvena istraživanja u Zagrebu
Institute for Social Research in Zagreb

Centar za istraživanje i razvoj obrazovanja
The Centre for Educational Research and Development

2014.-2016.



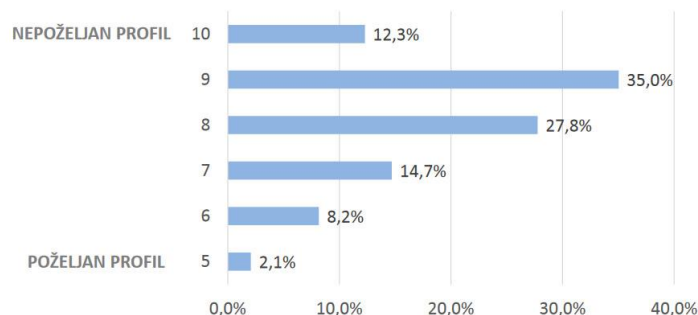
ZAKLJUČAK:

- Većina učenika osnovnih škola pokazuju sklonost prema odgovorima koji sugeriraju nisku razinu razvijenosti dimenzija u osnovi kompetencije Inicijativnost i poduzetnost
- a tome su posebno skloni učenici osmih razreda
- Učenici radije odabiru kraći put, sigurnost, izvjesnost, ustaljenost....
- Poduzetni profil ima tek 2,1% učenika
- 47,3 učenika potpada u dva krajnja „nepoduzetna profila“
- Spolne razlike su vrlo male, kao i razlike između županija
- Izrazito je važan nalaz o nepovoljnim rezultatima čak i u kategoriji uspješnih učenika
- Posebno zabrinjava pad sklonosti inicijativnosti i poduzetnosti kako učenici prolaze kroz osnovnoškolski odgoj i obrazovanje

http://www.idi.hr/wp-content/uploads/2017/03/HUP_PODUZETNOST_I_INICIJATIVNOST.pdf

RASPODJELA PO UKUPNOM REZULTATU

- Pet pitanja spojena u zajedničku mjeru (zbroj odgovora na svim pitanjima)
- **Rezultat 5 predstavlja poželjan profil** – učenika koji je na svim pitanjima dao odgovor koji odgovara sklonosti inicijativnosti i poduzetnosti
- **Rezultat 10 predstavlja nepoželjan profil** – učenika koji je na svim pitanjima dao odgovor koji znači nesklonost inicijativnosti i poduzetnosti





Download PDF

Share    

Critical thinking in teaching



In your country, how do you assess the style of teaching? [1 = frontal, teacher based, and focused on memorizing; 7 = encourages creative and critical individual thinking]

Show: **All Economies** ▾

<http://reports.weforum.org/global-competitiveness-report-2018/competitiveness-rankings/#series=EOSQ498>

Info	Rank / 140	Country / Economy	Score 1-7 (best)
	1	United States	5.7
	2	Denmark	5.5
	3	Switzerland	5.4
	4	Finland	5.4
	5	New Zealand	5.3
	6	Sweden	5.3
	7	Netherlands	5.3
	8	Germany	5.2
	9	Qatar	5.2

ALL THE OTHERS

	131	Nigeria	2.5
	132	Mauritania	2.4
	133	Turkey	2.4
	134	Yemen	2.3
	135	El Salvador	2.3
	136	Croatia	2.3
	137	Guinea	2.3
	138	Morocco	2.2
	139	Haiti	2.1
	140	Angola	1.9

Source: World Economic Forum, Executive Opinion Survey

ANTI – INTELEKTUALNA SREDINA

Diskriminacija kroz jezik:

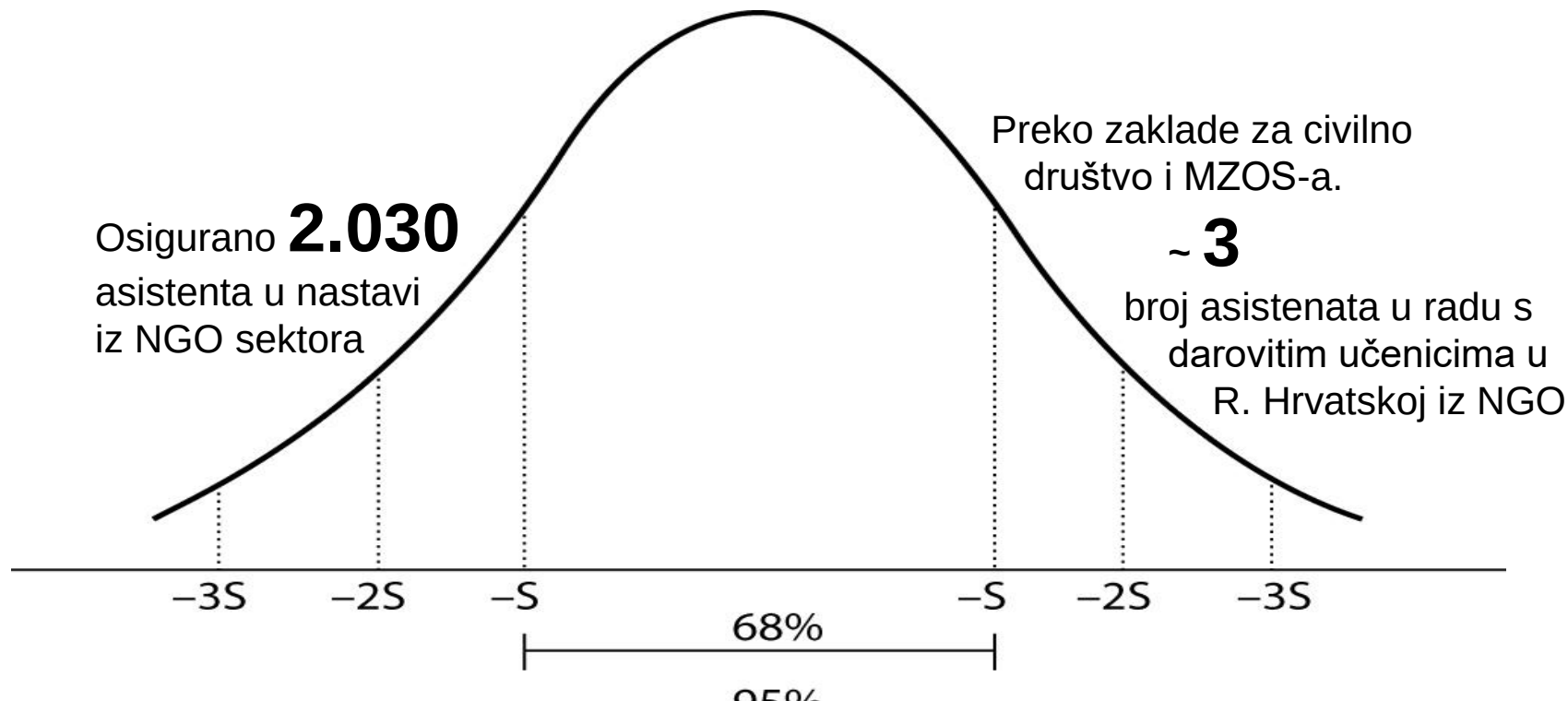


visoko postignuće: **štreberi**

prijevod s engleskog jezika na hrvatski jezik: **nerds, geeks, => “šmokljani”**



Republika Hrvatska 2017.



CJELOVITA KURIKULARNA REFORMA

u brojkama

647

fizičkih i stotine
online sastanaka

400

predstavljanja
Cjelovite kurikularne
reformе

55

prijedloga
kurikularnih
dokumenata
u predviđenom roku

436

članova stručnih
radnih skupina

50

djelatnika MZOS-a,
AZOO-a, ASOO-a i
NCVVO-a kao
podrška

218

konzultanata
iz svih dijelova društva

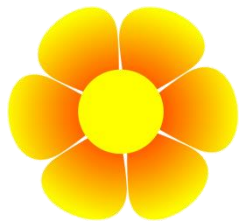


Cjelovita
kurikularna
reforma

25

kašnjenja i već
zastarjela





2019.

“Ljeto na Savi”

11.000.000 kuna

Moglo je biti:

Istraživački rad s darovitim
učenicima, iz cijele H. Hrvatske,
na razini Izraela, za 2 godine
rada





Gledamo **20 godina** vrhunske edukacije za buduće nositelje znanstveno tehnološkog razvoja, kojeg neće biti u Istarskoj županiji *

KAKO SE PRIPREMITI

za svijet koji dolazi ?



**Školski klub istraživača
“EXPLORERS CLUB”**



Programi van škole





LABORATORIJ

za biologiju, kemiju i astrobiologiju



2016.





CAMPUS 2014

PER LE ECCELLENZE SCIENTIFICHE
delle scuole elementari della Comunità Nazionale Italiana

19 al 25 maggio 2014
Osservatorio di Visignano



UI UNIONE ITALIANA
Italijanska unija - Italijanska Unija

Università
popolare
di Trieste



ZECV
Zentrum für Erziehungswissenschaften
Zentrum für Erziehungswissenschaften
Zentrum für Erziehungswissenschaften
Visignan - Visignano



CAMPUS per le eccellenze scientifiche delle scuole elementari della Comunità Nazionale Italiana

Višnjan – Visignano,

- Settembre, 02.-08. 2013.
- Maggio,19.-25. 2014.
- Maggio,11.-29. 2015.
- Maggio,02.-20. 2016.
- etc.



This project has
been funded with
support from the
Italian Ministry
of Foreign Affairs

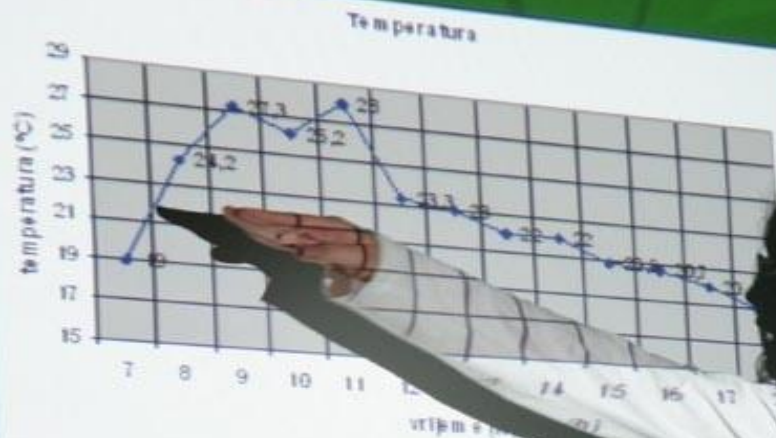




Klub istraživača
1.-.4. razred o.š

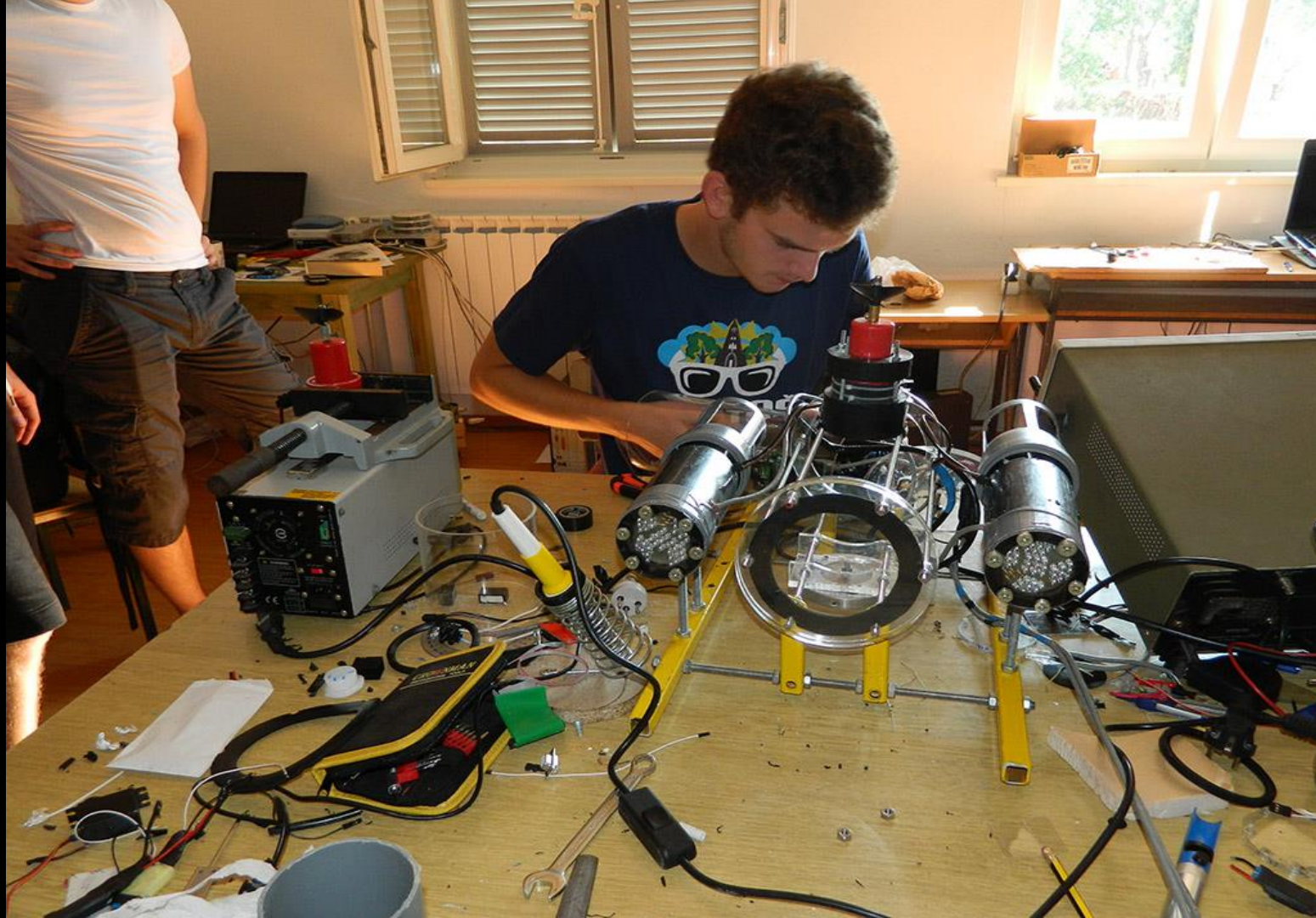


YSC – Youth Science Camps



GEOLOGIJA











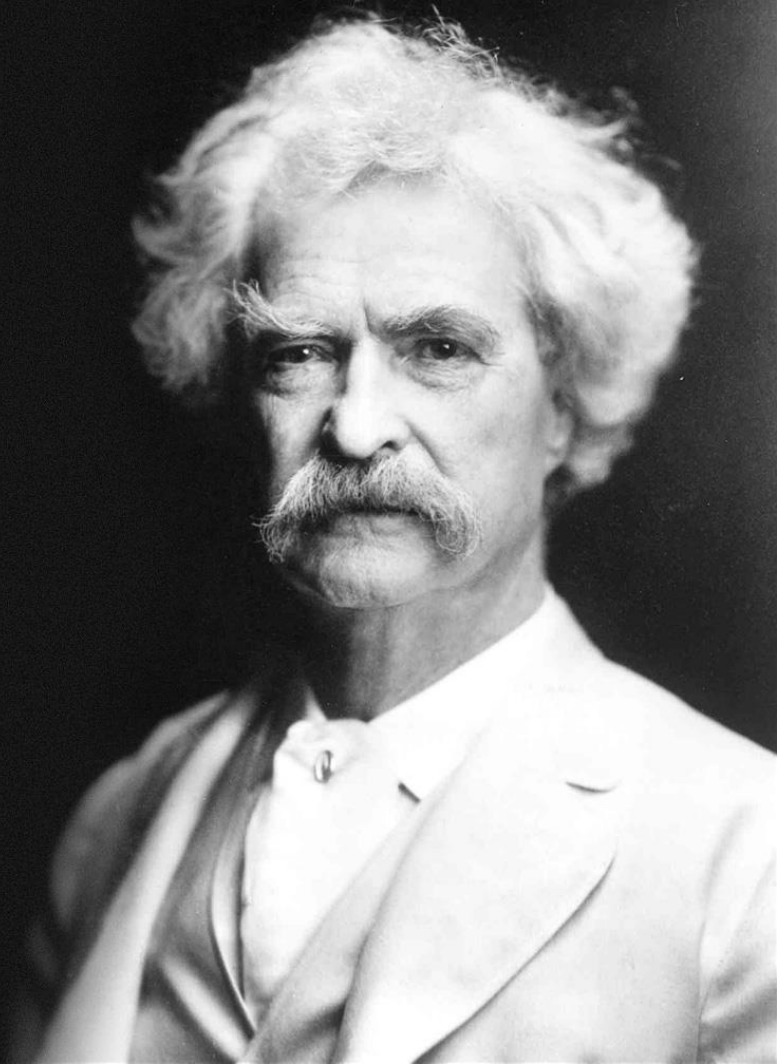
"Be the change that you wish to see in the world."

"Budi promjena koju želiš vidjeti u svijetu."

Mahatma Gandhi

'The two most important days in
your life are the day you are born
and the day you find out why.'

— *Mark Twain* —



A odrasli ?

ostanite dijete i
čudite se svijetu



budite različiti



Zahvaljujem na pažnji!

Ako mislite da budućnost stvaramo mi sami, pridružite nam se. Suradnici, podupiratelji, volonteri i potpora bilo kojeg tipa su više nego dobrodošli!



VISNJAN OBSERVATORY