

RUSSIA 2045

Strategic
Social Movement

Immortality 2045 Project

RUSSIAN EXPERIENCE

In late 2010, the Russian company New Media Stars interviewed two dozen leading Russian scientists.

The major themes discussed were ways of radically prolonging human life.

The experts were asked if this goal could be achieved by means of:

- artificial organs
- artificial human body
- simulation of a brain and mental processes
- transferring one's mind to an artificial carrier



Goals of the Russia 2045 Movement and the Immortality Corporation:

- To create a new scientific and philosophical paradigm of humanity.
- To develop cybernetic technologies of life extension up to immortality and to enhance human abilities.
- To form corresponding culture and social values.

What we have already accomplished:

- Over 5000 people from different countries are members of the Movement.
- Dozens of projects have been defined. For many of them, the work has already started.
- Steven Seagal wrote an open letter to the Russian Prime minister inviting him to cooperate.
- The Russian Federation Ministry of Education and Science announced its support of the Movement.
- Plans to discuss the specialized R&D Center with the Russian Federation Ministry of Education and Science have been scheduled.

AVATAR PROJECT MILESTONES



AVATAR D
By 2040-2045
A hologram-like avatar

AVATAR C (Rebrain)
By 2030-2035

An Avatar with an artificial brain in which a human personality is transferred at the end of one's life

AVATAR B (Body B)
By 2020-2025

An Avatar in which a human brain is transplanted at the end of one's life

AVATAR A
By 2015-2020

A robotic copy of a human body remotely controlled via BCI.

The Avatar Project

1. A body and its load-bearing elements.
2. A power supply system.
3. Artificial sensory organs providing data transfer to the operator.
4. Systems of maintaining equilibrium.
5. The formation of a holistic image of the environment.
6. A system of purposeful independent behavior.
7. A BCI-based control system.

Body B Project

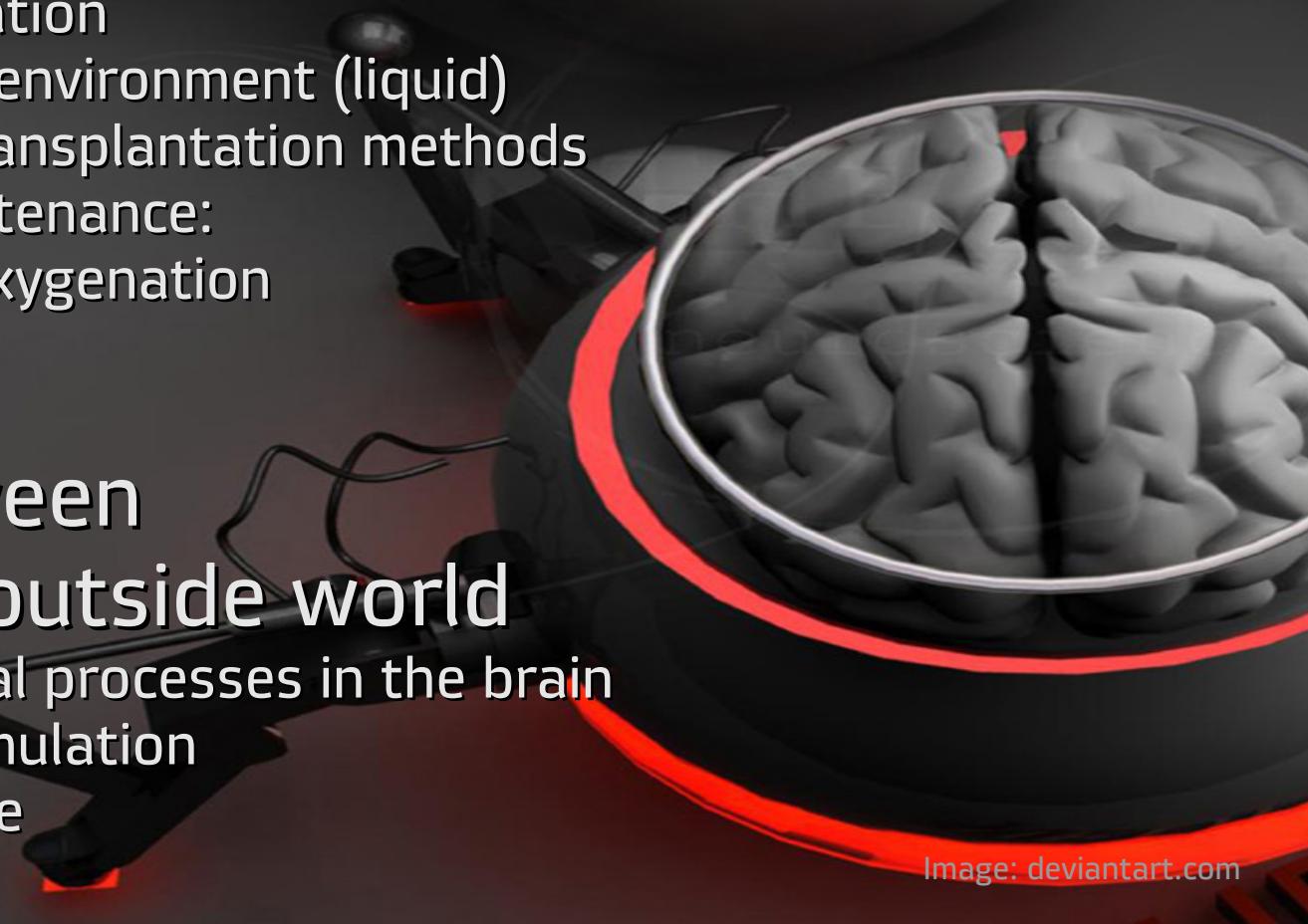
Main research and production tasks:

1 Brain life support

- brain metabolism simulation
- creation of appropriate environment (liquid)
- development of brain transplantation methods
- brain homeostasis maintenance:
nutrition, purification, oxygenation
- brain life extension

2 Interaction between the brain and the outside world

- simulation of biochemical processes in the brain
- simulation of neural stimulation
- two-way neural interface



Re-Brain project

A Russian project to create a model of the human brain using reverse engineering

- The headquarters is in Moscow, Russia.
- The Re-Brain team will consist of 21 theoretical neuroscientists.
- The goal is to unveil the details of all mechanisms of human brain's functioning.
- To understand these mechanisms is a necessary and sufficient condition to reproduce them
- This will enable us to create an artificial carrier for a human personality



Our plans:

- Global Future 2045 International Conference.
- Social network for those who support the idea of immortality.
- Virtual Laboratory.
- Online Exchange for project contests, technology exchange and copyright control.
- Club of trustees supporting the idea of immortality.
- Wiki Knowledge Base - an 'Immortality Encyclopedia' website with integrated work and discussion sections.
- Encourage the UN to bring the initiatives of the Movement up for discussion with participating countries.
- A Virtual Gaming Space for testing forecasts regarding the world of the future.



Reasons why we need an open project – public stereotypes against immortality:

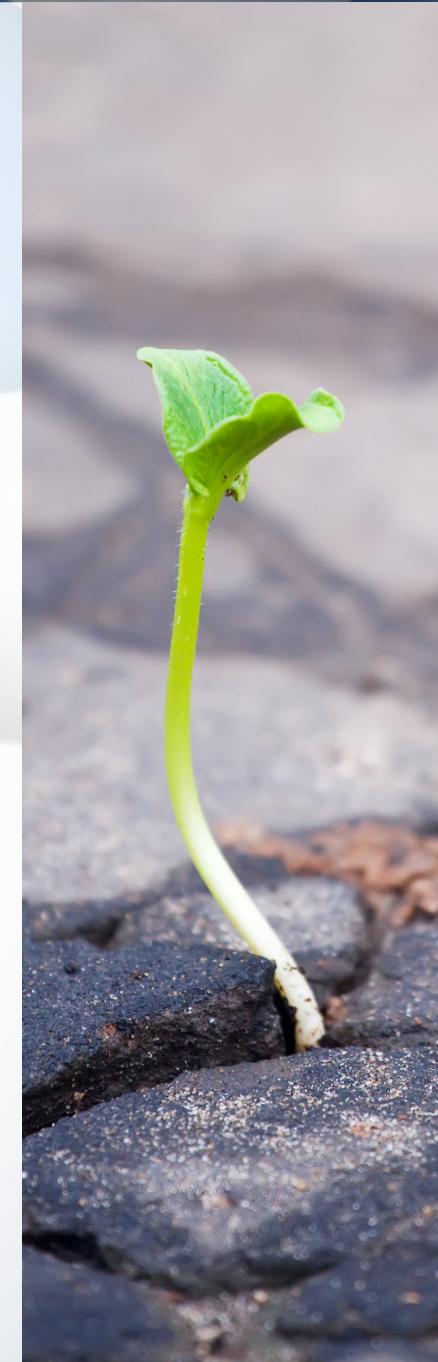
'Only the few who can afford it will get an artificial body and immortality.'

'These technologies will exhaust natural resources and lead to demographic challenges.'

'Dying is natural.'

'Individual consciousness is nontransferable.'

'Cybernetic technologies are incompatible with spiritual development.'



Interstellar Spaceship 2111

The U.S. Department of Defense and NASA are working on the first interstellar spacecraft in history. The spaceship's launch is scheduled for the year of 2111.

The website features a dark background with a starry field and a large, stylized date range '2011 - 2111' in the center. At the top left is the '100 YEAR STARSHIP™' logo with a circular orbital path graphic. At the top right is the DARPA logo. On the left side, there are 'ABOUT' and 'NEWS' buttons. On the right side, there are sections for 'DESTINATION' (listing the '100 Year Starship Symposium' from September 30 to October 2, 2011, in Orlando, FL) and 'ACTION REQUEST' (mentioning DARPA's call for abstracts), each with a '[REGISTER]' or '[SUBMIT]' button. The bottom right corner includes the text 'Image: 100yss.org'.

100 YEAR STARSHIP™

DARPA

ABOUT

NEWS

2011 - 2111

> DESTINATION
100 Year Starship Symposium
30 Sept - 2 Oct 2011
Orlando, FL
[REGISTER]

> ACTION REQUEST
DARPA Issues a Call for Abstracts
[SUBMIT]

Image: 100yss.org

Why delaying is dangerous

The mid 21st century is the moment of choice:

- We need to end this series of socioeconomic crises caused by the dynamics of the consumer society.
- In the next 30 years, we will reach a turning point followed by either a return to the Dark Ages, or the transition to the next level.
- By mid-century, machines can surpass human intelligence. We need a safe AI.

We want to live longer!

The goals of Neohumanity in the third millennium

To overcome aging and death, to gain immortality.

Cosmic expansion.

To allow everyone to become multi-bodied.

To extend our environment to multi-reality.

To control reality by thought.

To allow each human being to create a personal universe.

To manage the course of history.

