

Қазақстандық  
Технологияларды  
Коммерциализациялау  
Жобасы



Kazakhstan  
Technology  
Commercialization  
Project

# Technology Commercialization Project:

Presented by Dr. Andreas Martin on behalf of the Board

## Grant Selection Process

By

The International Science &  
Commercialization Board

Round #2 – June 2012

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Call for Technology Commercialization Project (TCP) **preliminary proposals** published in two Kazakhstan newspapers on March 2<sup>nd</sup> 2012 in Russian and Kazakh language at <http://www.kaztcp.kz/> and [www.scedu.kz](http://www.scedu.kz)

Deadline for submission was March 31<sup>st</sup> 2012

International Science & Technology Board (ISCB) received:

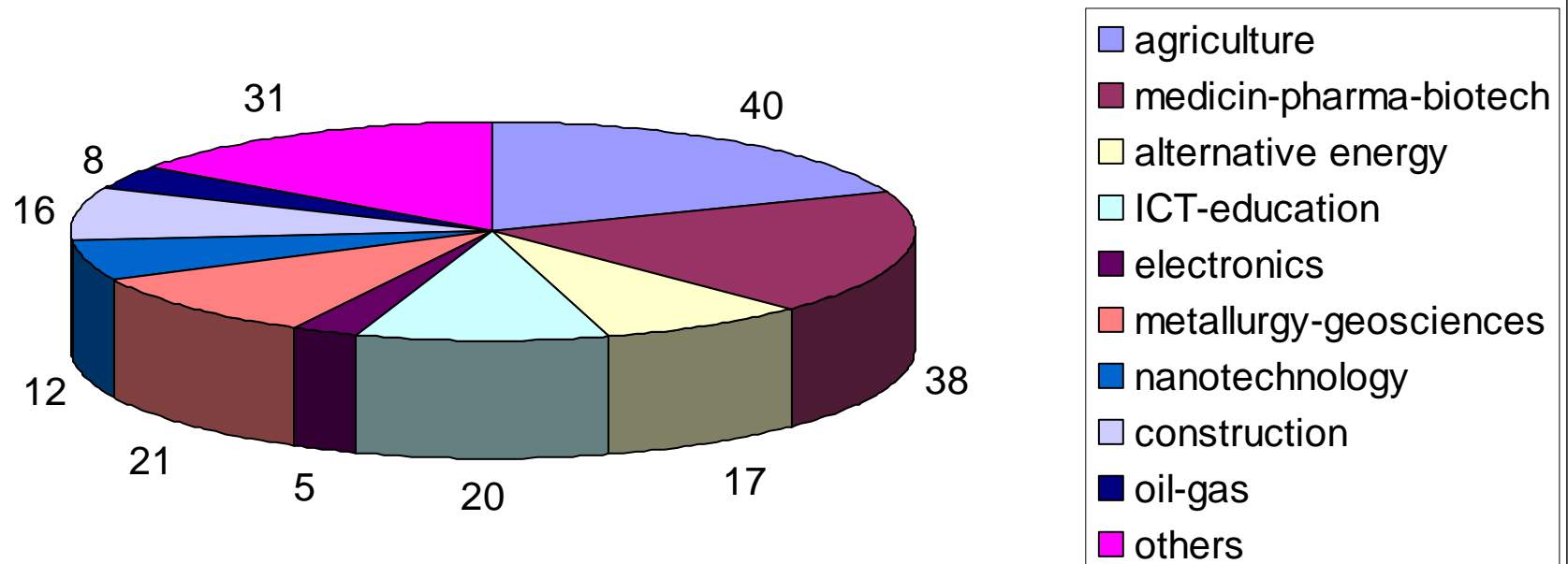
208 research proposals from Senior Research Groups (SRG)

24 research proposals from Junior Research Groups (JRG)

Each group / individual could apply only once

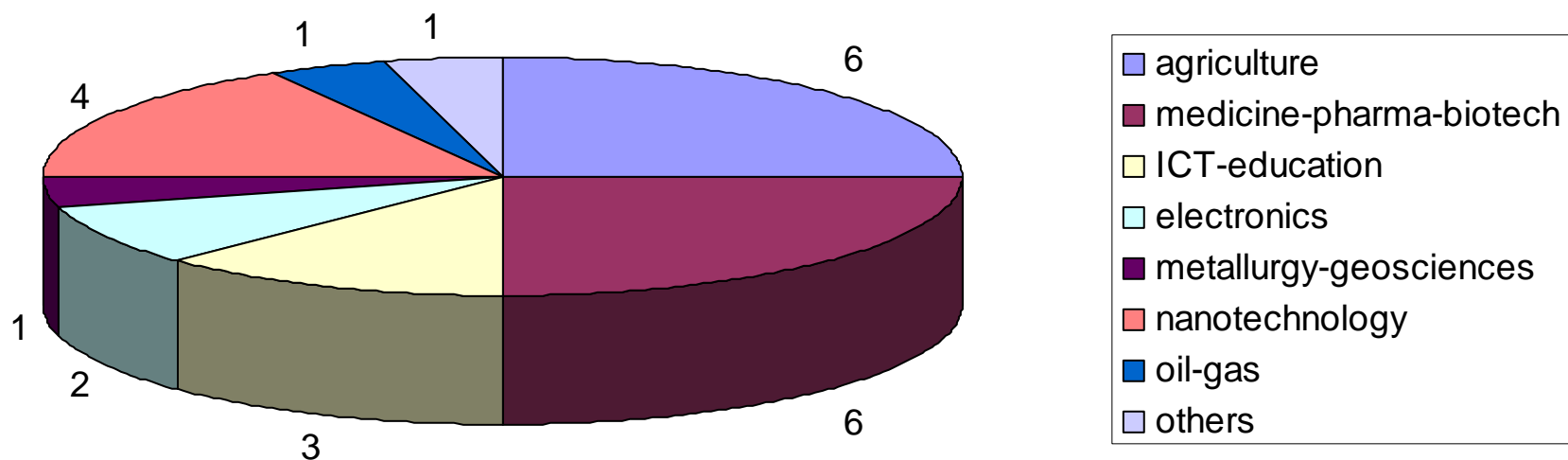


## SRG preliminary proposals received by March 31<sup>st</sup> 2012





## JRG preliminary proposals received by March 31<sup>st</sup> 2012





Preliminary proposal evaluation was carried out in April

SRG and JRG proposals and CV's were made available to ISCB after a formal check on proposal completeness

Evaluation team:

Glenn Schweitzer – specialist in mechanical engineering

Brenda Pierce – specialist in geosciences & energy

Sergey Netesov – specialist in biotechnology

Chanbasha Basheer – specialist in chemistry and analytics

Andreas Martin – specialist in catalysis and materials

Tom Nastas – specialist in venture capital and commercialization

Victor Hwang – specialist in business models and marketing

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3 teams of ISCB members were created, dividing evaluation of the proposals proportionally among the members

Preliminary proposals were evaluated according their scientific ad commercialization potential and impact, with an evaluation on their investment potential to raise capital

The evaluation criteria on the next two pages were the basis for evaluating and determining which proposals were chosen to submit full proposals to the ISCB:



***(i) The quality of the proposed research***

Is the proposed research innovative?

Can it contribute significantly to the state of knowledge in its field?

How does the proposed research compare to established programs?

***(ii) The impact of the proposed program***

To what extent will the project enhance the infrastructure for research, commercialization, and partnerships with industry?

What are the potential impacts on technology commercialization?

Will the results be disseminated broadly to enhance scientific and technological understanding?





***(iii) The path to success***

Are the costs reasonable and are the time and resources (human and monetary) dedicated appropriate to the program and to accomplish the goals?

Is the management plan appropriate?

Are there any issues that might prevent the successful execution of the program?

***(iv) Alignment with commercialization aspect***

Does the proposed research topic align with the goals of the Technology Commercialization Project, established by the Ministry of Education and Science of the Republic of Kazakhstan and the World Bank?



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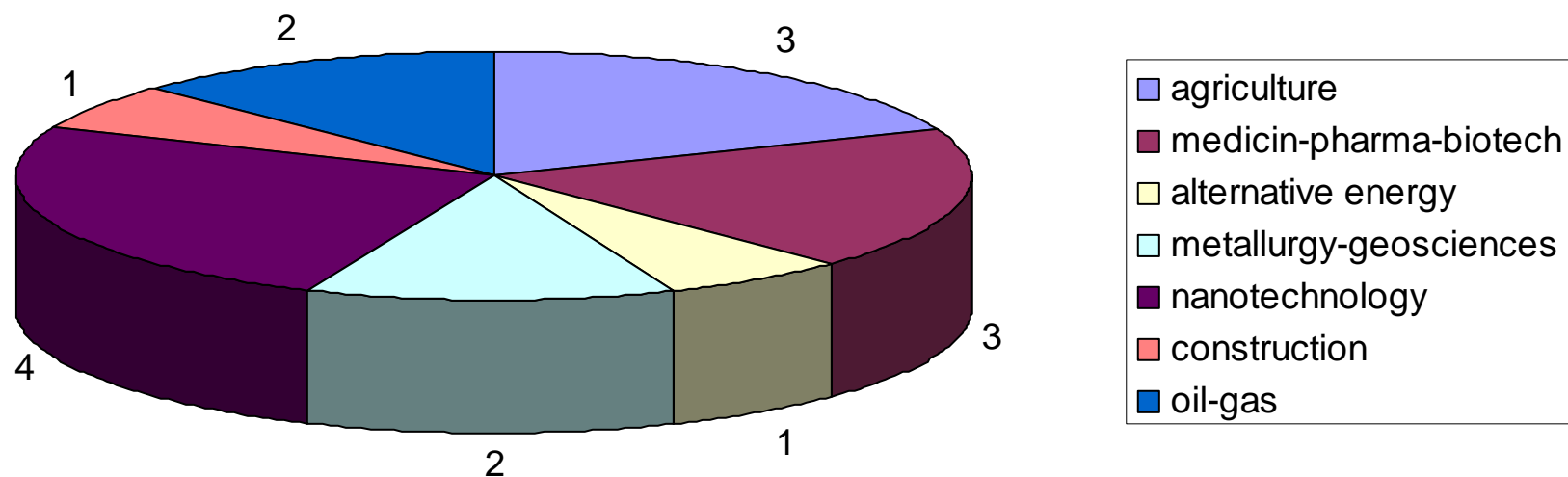
Based on these criteria,  
projects recommended to submit **Full Proposals**:

16 Senior Research Group (SRG) proposals  
9 Junior Research Group (JRG) proposals

These preliminary proposal evaluation results were submitted May 2<sup>nd</sup>  
to the Project Management Unit (PMU) of the Ministry of Education &  
Science, Gov't of Kazakhstan

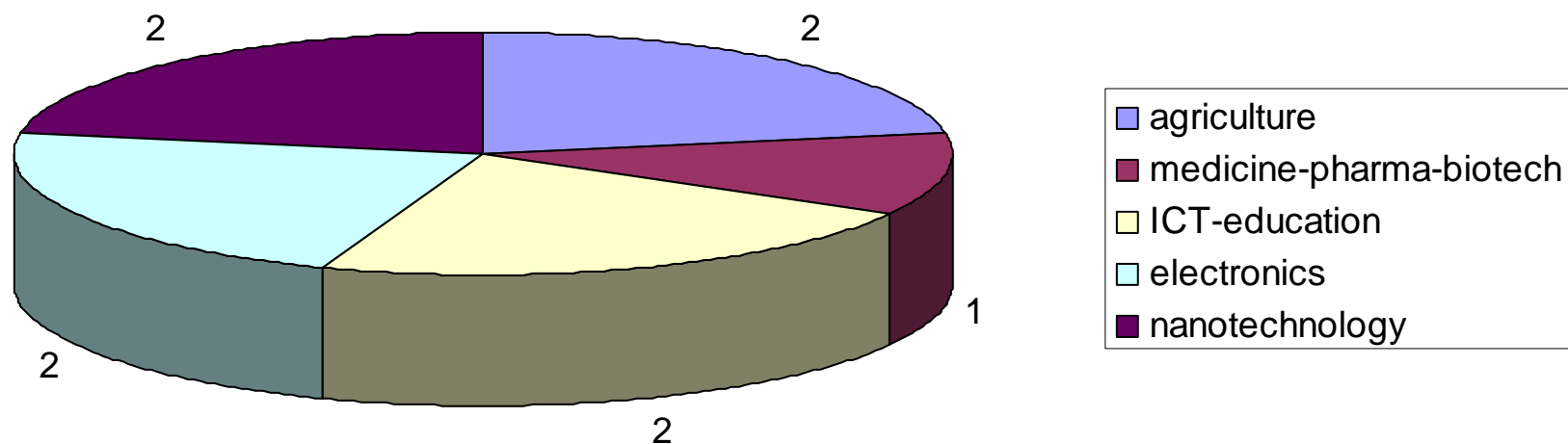


## SRG preliminary proposals selected by May 2<sup>nd</sup> 2012



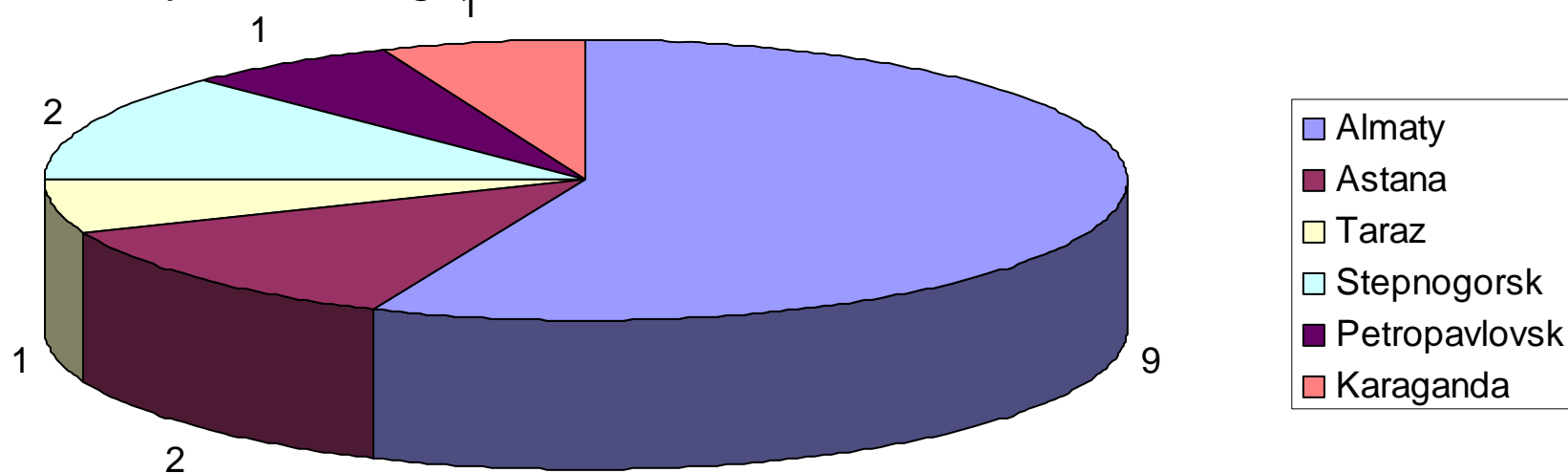


## JRG preliminary proposals selected by May 2<sup>nd</sup> 2012



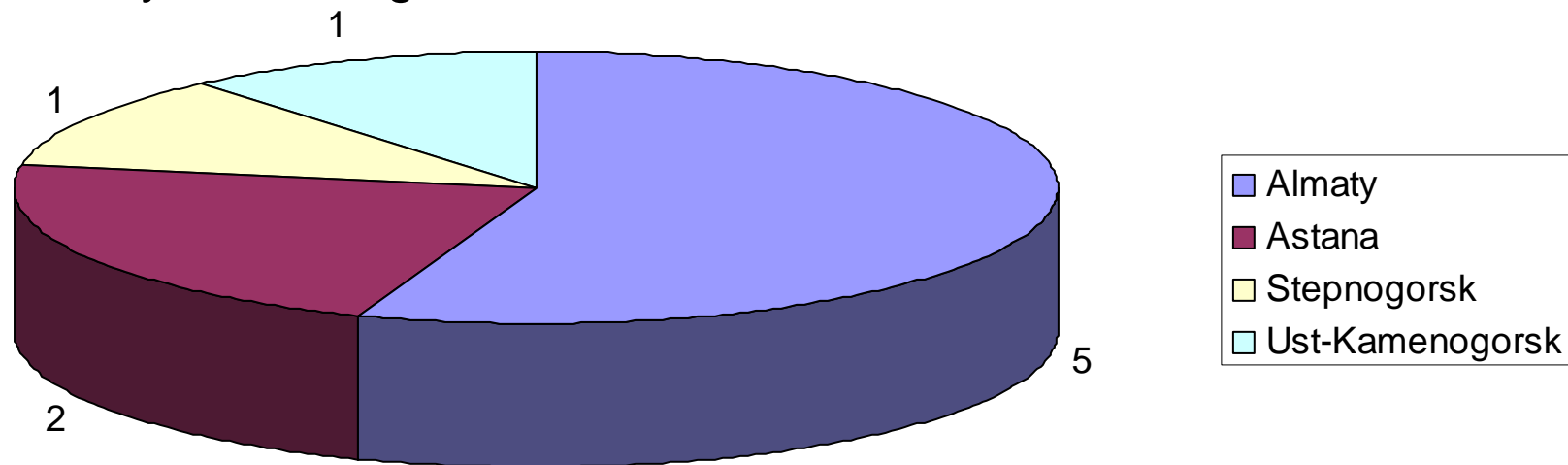


**SRG** preliminary proposals selected by May 2<sup>nd</sup> 2012  
Sorted by cities / regions





**JRG** preliminary proposals selected by May 2<sup>nd</sup> 2012  
Sorted by cities / regions



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Call to selected groups to submit **Final Proposals** to Ministry by  
June 12<sup>th</sup> 2012

Received:

16 research proposals of Senior Research Groups

9 research proposals of Junior Research Groups

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**Final selection process** from 19 to 21 June in Almaty. Details:

Team leaders made presentations of their proposals to the ISCB (15 min)

Question & answer session

Internal evaluation by ISCB

Individual ISCB evaluation

Decision announced on 22 June 2012





**Important criteria for evaluation:**

- (i) Existing and proposed lab-facilities for the team***
- (ii) Impact to R&D in the country***
- (iii) Path to success***  
***(technical ability of team, ability to complete research project with resources and in time proposed, costs, management plan, potential barriers & road-blocks)***
- (iv) Budget evaluation***
- (v) Impact of proposed work on the environment***
- (vi) Commercialization perspectives***

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Closed door discussions

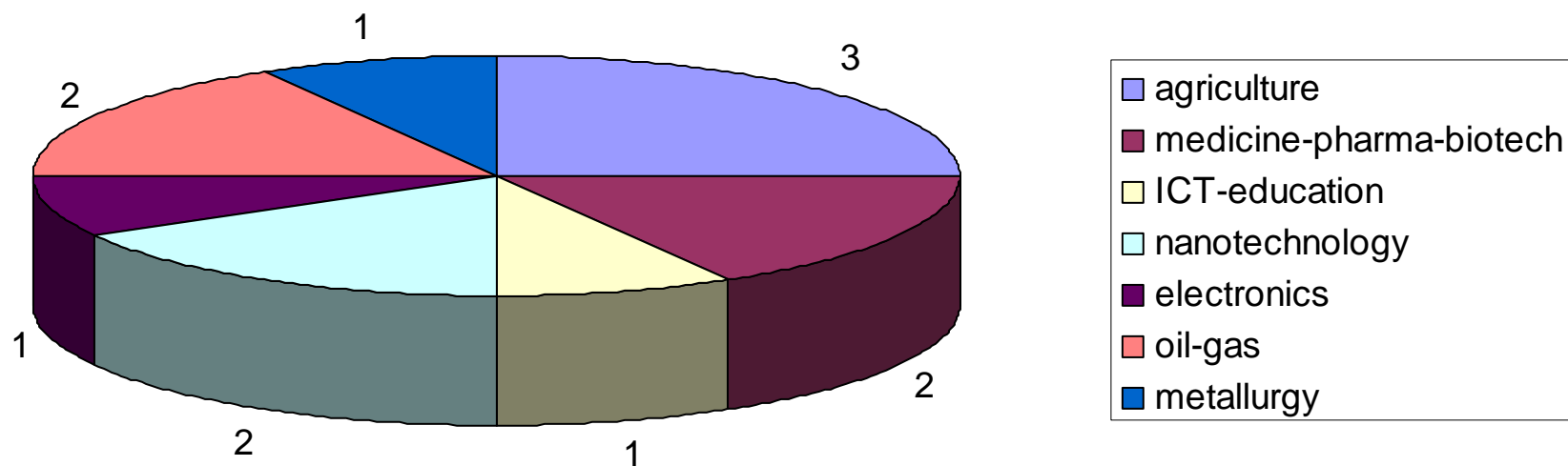
Full discussion of every proposal

ISCB consensus or numerical project ranking

Final decision – 9 SRG and 3 JRG winners to Ministry = \$13 million in grant awards



## SRG + JRG full proposals selected by June 22<sup>nd</sup> 2012





**SRG + JRG** full proposals selected by June 22<sup>nd</sup> 2012  
Sorted by cities / regions

