



Technology Commercialization Project: Grant Awards

Intro Comments from Tom Nastas: I am a member, the International Science & Commercialization Board. The board consists of seven members, five scientists and two venture capitalists, of which I am one.

Our responsibility is to manage the technology commercialization project, capitalized with \$85 million, \$75 million from the Kazak Gov't & \$10 million from a World Bank loan. We oversee the competition to make grants to Kazak R&D and SMEs for technology development, proof-of-concept through commercialization.

This presentation is the results of the 1st competition, we awarded \$10.5 million in grants to ten groups. This presentation was delivered by my colleague Andreas Martin.

If you have questions on this program/project, write me at Tom@IVIpe.com.



Technology Commercialization Project: Grant Awards

Selection Process by International Science & Commercialization Board (ISCB)



Call for TCP **preliminary proposals** published on TCP website on February 15, 2011 (<http://www.kaztcp.kz/>)

Deadline for submission to Ministry was March 31, 2011

Originally ISCB received:

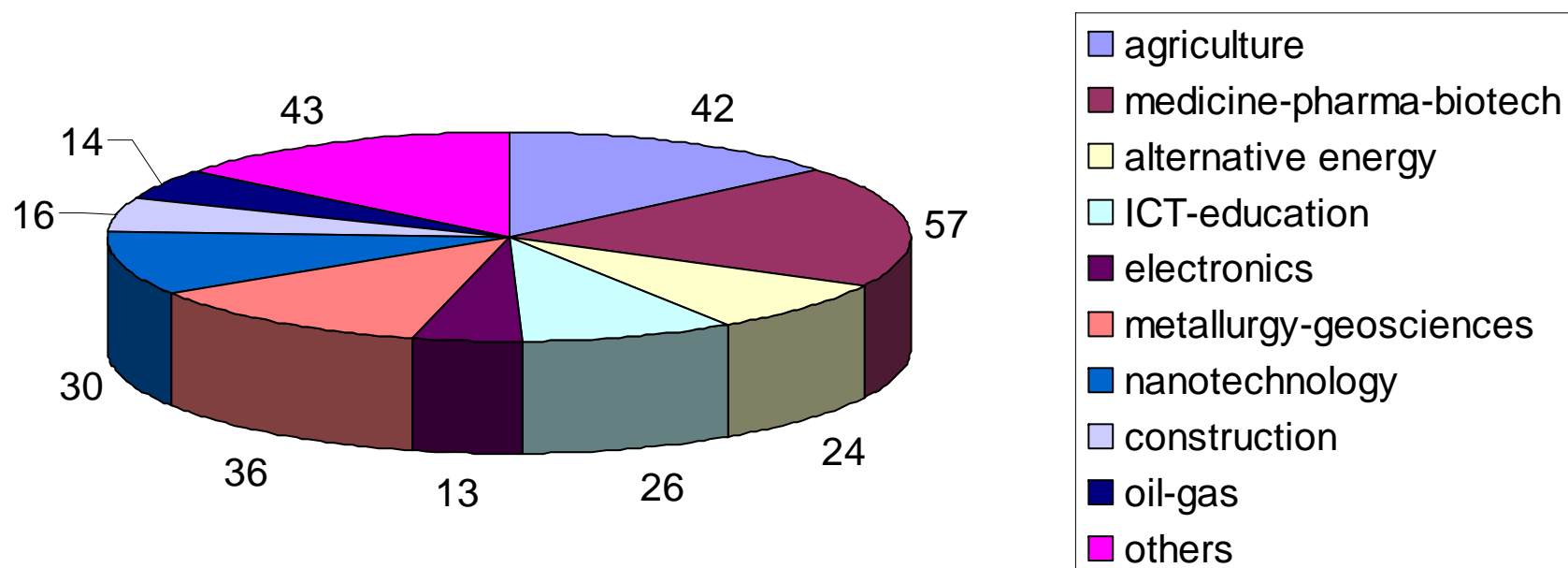
304 research proposals in Senior Research Group (SRG)

63 research proposals of Junior Research Group (JSG)

Each group / individual could apply only once

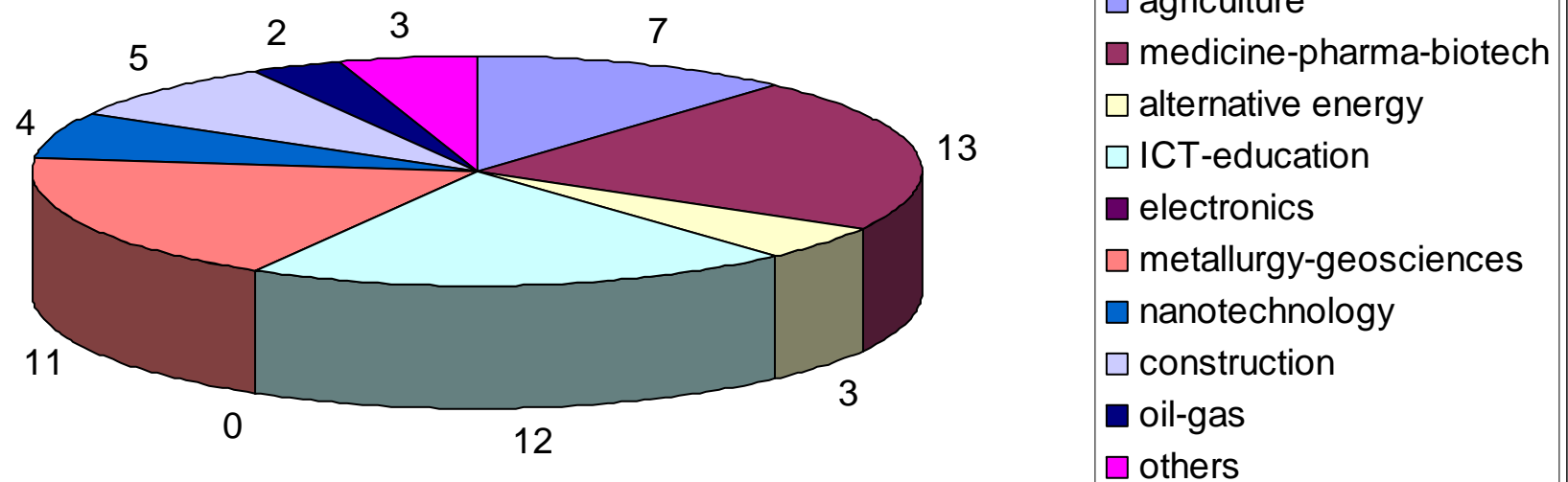


SRG preliminary proposals received by March 31, 2011





JRG preliminary proposals received by March 31, 2011





Preliminary proposal evaluation started 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, Chairman of the Board

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 venture capital and commercialization



3 teams were created dividing the proposals proportionally

Preliminary proposals were evaluated according their scientific and economic (commercialization) potential and impact

The following evaluation criteria provided the basis for determining those proposals chosen to submit full proposals:



(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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Kazakhstan
Technology
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Project

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

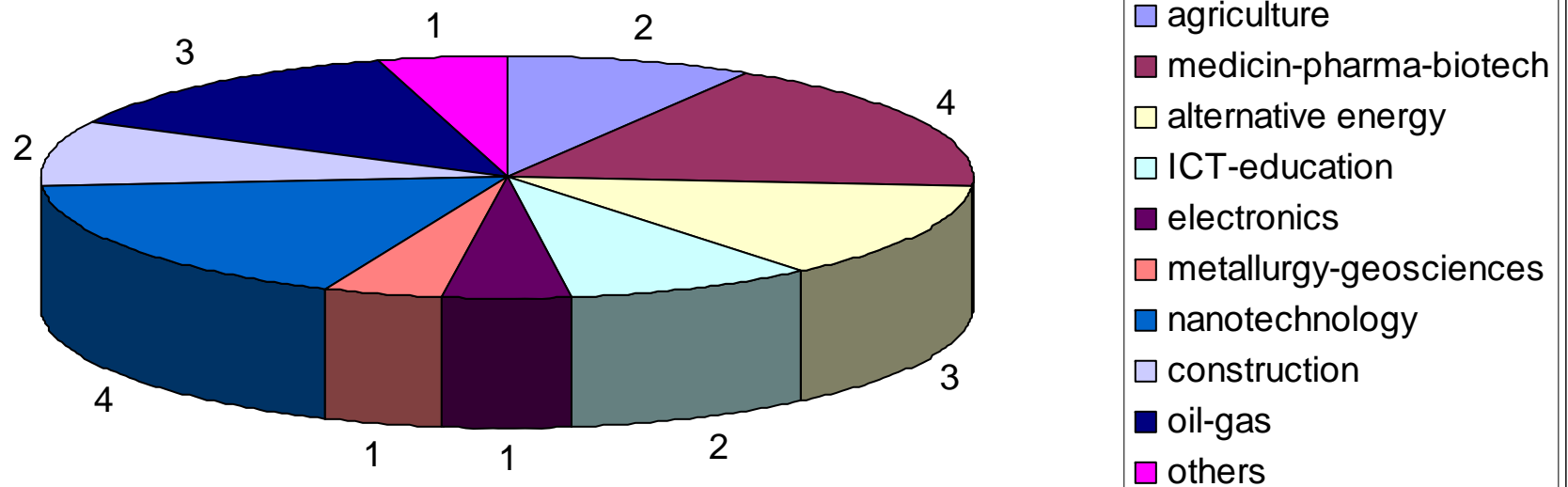
23 Senior Research Group (SRG) proposals

12 Junior Research Group (JRG) proposals

These preliminary proposal evaluation results were submitted May 19 to PMU

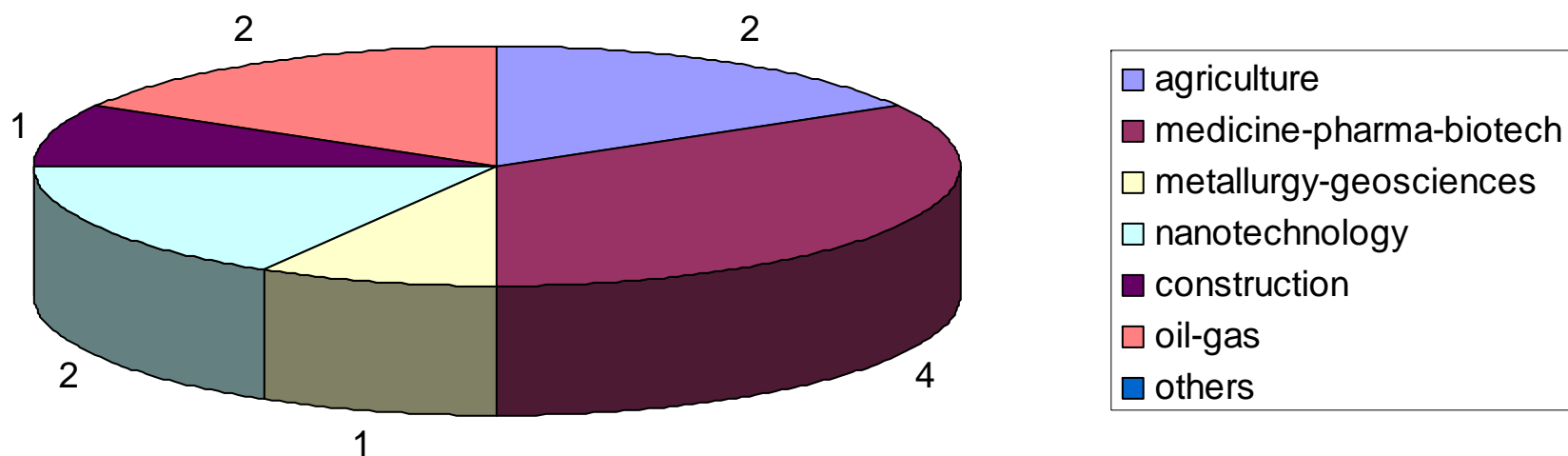


SRG preliminary proposals selected by May 19th, 2011



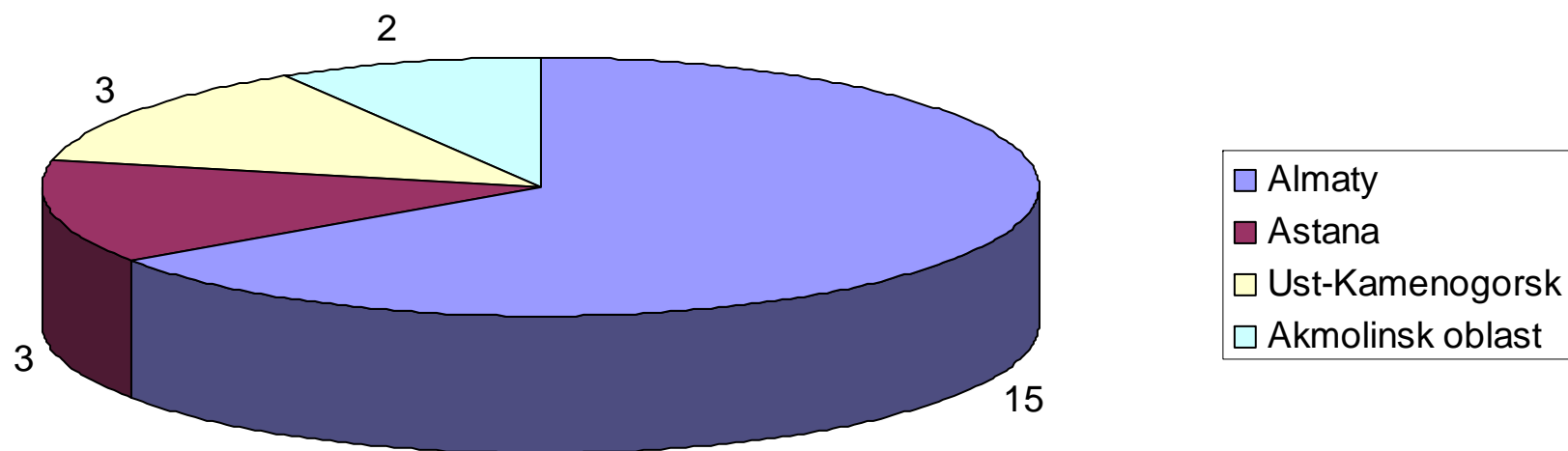


JRG preliminary proposals selected by May 19th, 2011



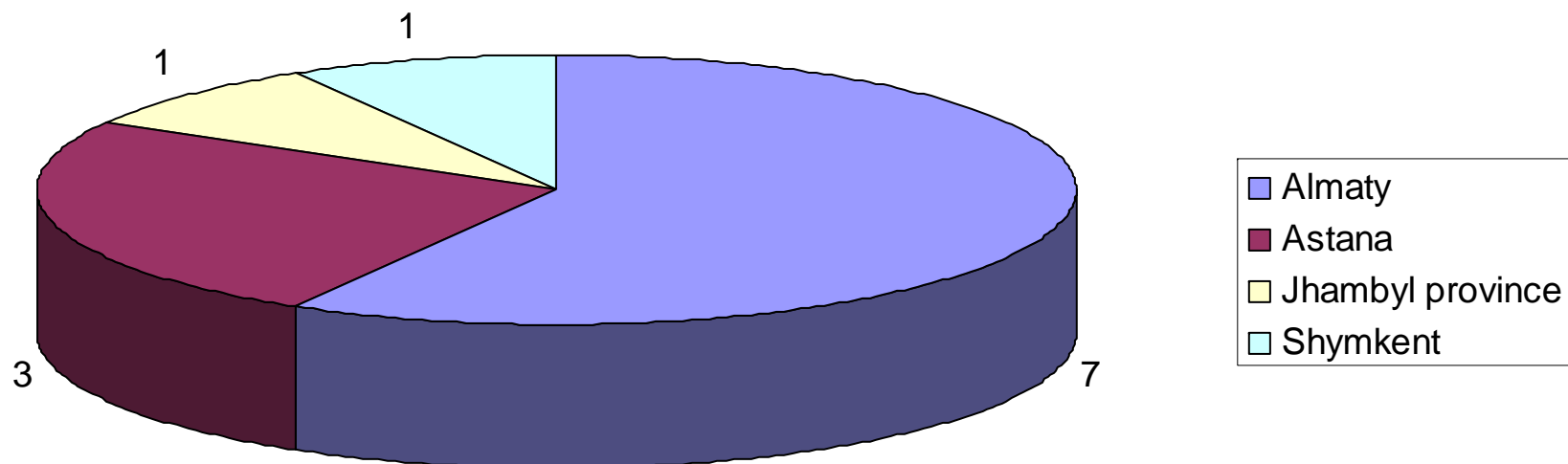


SRG preliminary proposals selected by May 19th, 2011
Sorted by cities / regions





JRG preliminary proposals selected by May 19th, 2011
Sorted by cities / regions





Call to selected groups to submit **Final Proposals** to Ministry by June 9th, 2011

Received:

23 research proposals of Senior RG

12 research proposals of Junior RG

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Final selection process from 13 to 15 June in Almaty

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

Question & answer session

Quick internal evaluation by ISCB

Individual ISCB evaluation



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 proposal with resources and in time proposed, costs, management plan, potential 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

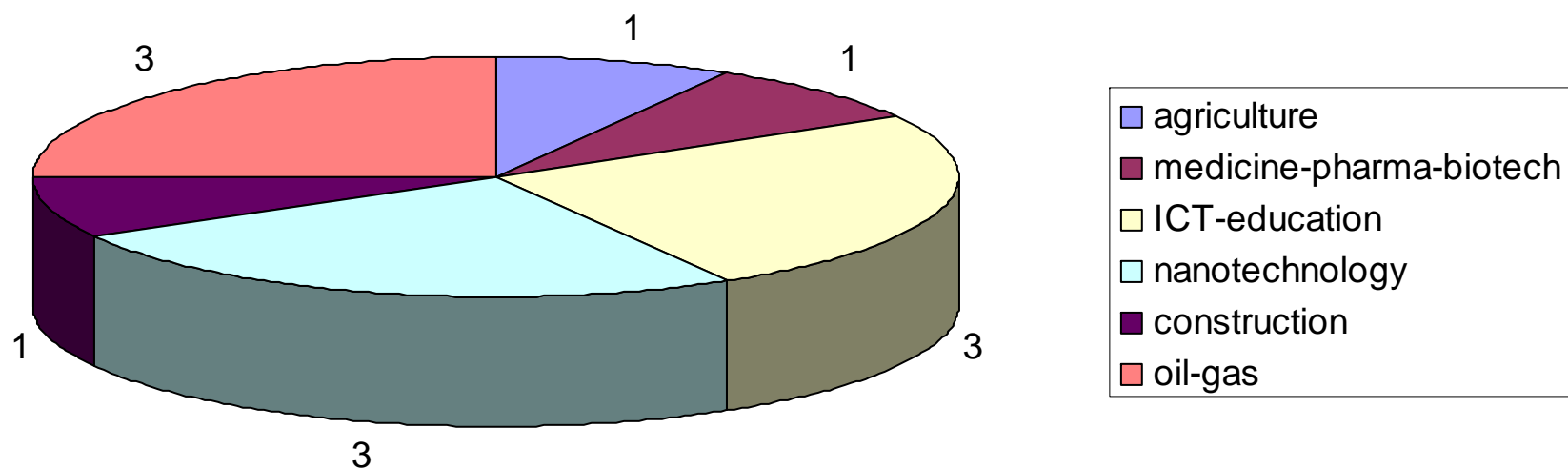
ISCB consensus or numerical project ranking

Final decision – 6 SRGs & 6 JRGs Recommended to Ministry

5 SRGs & 5 JRGs Selected, total Grant Funding = \$10.5 million



SRG + JRG full proposals selected by June 15th, 2011





SRG + JRG full proposals selected by June 15th, 2011
Sorted by cities / regions

