THE INPUT OF KAZAKHSTAN SOCIETY INTO PROMOTION OF CONCEPT OF GREEN ECONOMY, “GREEN BRIDGE” PARTNERSHIP PROGRAM AND INTERNATIONAL EXPO-2017 EXHIBITION

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**ULE “COALITION FOR GREEN ECONOMY AND G-GLOBAL DEVELOPMENT”**

**Date of base:** April 2013

**GOALS OF COALITION:**
- Expert-analytic and institutional support of initiatives
- Promotion and outreach of prime green technologies
- Support of green entrepreneurship development, teaching

**SOCIAL STATUS OF COALITION:**
- Chairman of the Board of the Coalition is a member of council on transition to “green economy” at President of the Republic of Kazakhstan (May 2014).
- Chairman of the Board of the Coalition is head of commission on ecology of public council of Ministry of Energy of the Republic of Kazakhstan
- Chairman of the Board of the Coalition is a member of a working group on realization of project “Tugan Zher” (April, 2017).
- Coalition was accredited in National Chamber of Entrepreneurs “Atameken” (December 2013)
- Coalition is a member of “Public coalition of Democratic Force “Kazakhstan-2050”
- Coalition is a public partner of PO “NC Astana EXPO-2017” (memorandum of cooperation was signed in May 2017)

**ACTIVITY OF THE COALITION DURING 2015-2016 YEARS:**
- 7 centers of “green” technologies in 7 regions of Kazakhstan
- There are 35 green technologies implemented into Centre of Green Technologies “Arnasay”
- Centre of Green Technology Development “National academy of green technologies” where 5 000 people were taught
- Informational-analytic portal www.greenkaz.org
- A standard GREEN STANDARDS of real estate certification was registered
- A standard of organic food certification was registered
- There is a list of green technologies and companies
- Organization of republic contests (Online EXPO-2017, eco-friendly business, green mass-media) – 7 000 people were covered
- More than 30 republic and international events every year
- More than 300 seminars, trainings, round tables every year
- More than 500 mentioning in mass-media (Service of central communication, videos, TV)
- More than 7 000 unemployed women were given 31 grants on total amount of 124 000 tenge
- More than 1 500 trees were set in different regions of Kazakhstan
- More than 10 000 children and you were involved in activities
- 10 000 children and you were involved in activities

**PARTNERS OF COALITION**

**State organs and national companies**
- Parliament of RK
- Ministry of Energy
- Ministry of agriculture
- Ministry of Industry and development
- Ministry of science and education
- Akimats of regions

**International organizations**
- G•GLOBAL
- gef
- UNDP
- OSCE
- UNECE
- ENE
- ESCAP
- WWF

**Business-structures, consignments, public organizations**
# 21 Projects of the Coalition – Input into the Realization of Concept on Transition to “Green Economy”, “Green Bridge” Partnership Program and Carrying out International Expo-2017 Exhibition

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Contest “Online EXPO-2017” is the initiative of society of Kazakhstan on identification and promotion of domestic innovators and their projects.

International contest “Online EXPO-2017” took place for the first time in the history and is valued by international community as an input of Kazakhstan in promotion of EXPO.

AIM OF THE PROJECT: identification of best domestic and foreign projects on 5 nominations and recommendation of these projects for EXPO-2017 best practices zone.

Nominations of contest:

1) Renewable and alternative energy sources

2) Clean technologies in traditional energetic (accumulation and transportation of energy, coal, hydrogen, methane, gases of oil mining and e.t.c)

3) Energy efficiency and source saving

4) “green” chemistry and new composing ecological materials, utilization of waste (hard, liquid, airy)

5) Organic agriculture, adaptation to climate change, that leads to CO2 absorption and methane decreasing, and stable water provision.

In Sept 2016 in “Rixos President Astana” hotel in the frame of international conference “Green Bridge – bridge to green technologies, innovations and available energy”, devoted to realization of international initiative Kazakhstan “Green Bridge Partnership Program” (GBPP) the ceremony of awarding of 15 winners of “Online EXPO-2017” contest took place.
PHOTO REPORT FROM EXHIBITION OF WINNERS OF “ONLINE EXPO-2017” CONTEST
NET OF GREEN TECHNOLOGY CENTERS OF KAZAKHSTAN:

KOSTANAY REGION
- Center of green technologies “Pearl of green practices”

AKMOLA REGION
- Center of green technologies “Arnasay”
- Center of green technologies at Taraz innovation-humanitarian university

NORTH KAZAKHSTAN REGION
- Eco-settlement (50 km)

ZHAMBYL REGION
- Center of green technologies at farm “EcoFermer” (Karasay district)

PAVLODAR REGION
- Center of green technologies at the Karagandy agro-technical university

KARAGANDA REGION
- Center of green technologies by the farm IE “Strelets”

ALMATY REGION

HEADS OF CENTERS OF GREEN TECHNOLOGIES

- Nugerbekov Serik, Head of G-Global International Secretary
- Rahimbekova Saltanat, Chairman of the Board of the Coalition
- Nemtsan Tatyana, Head of CGTD “Arnasay”, Akmola region
- Golunov Alexandr, Head of CGTD located in Karagandy region
- Shnayder Galina, Head of CGTD located in Kostanay region
- Denis Ten, Head of CGTD located in Almaty region
- Gashik Yury, Head of CGTD located in Pavlodar region
- Gashik Yury, Head of CGTD located in Pavlodar region
- Strelets Andrey, Head of CGTD located in North Kazakhstan region

Date of opening of centers of green technologies in Kazakhstan:
- 04.09.2015 in Akmola region
- 29.08.2016 in Karaganda region
- 07.09.2016 in Kostanay region
- 25.09.2016 Almaty region
- Pavlodar region
- 15.11.2016 Zhambyl region
- 25.11.2016 in Pavlodar region
- 05.12.2016 South Kazakhstan region
ARNASAY - FIRST «GREEN» VALLEY IN KAZAKHSTAN

- **Eco-tourism**
- **Экономия бюджетных средств за счет «зеленых технологий»** 3 млн тенге в год
- **Село Жибек жолы**
- **Завод будет перерабатывать ТБО от ЭКСПО-2017 и отходы СХ производства в «зеленую» энергию**
- **Arnasay - First «Green» Valley in Kazakhstan**
- **35 km from the city of Astana**
- **Developed infrastructure**
- **The territory of "green" objects**
- **The equipped bank of the reservoir**
- **Availability of accommodation**
- **Drop irrigation system in 168 yard**
- **Eco-hotels**
- **Separate collection of garbage**
- **G-Global park**
- **EXPO-2017 alley**
- **Youth summer camp “EXPO-Camp”**
- **Centre of “green” technologies “Arnasay”**
- **Local school**
- **EXPO GARDEN**
- **Recycling factory**
GENERAL COMMISSIONER OF UN ON EXPO-2017 DZHIHAN SULTANOGLU IN THE FIRST “GREEN” VALLEY AND IN SUMMER CAMP EXPO-CAMP, JUNE 12TH, 2017
More than 3 tons of organic food was grown in Arnasay Approbation zone for energetically effective and resource saving technologies. Technological platform of innovational projects Scientific-research area for “green” technology implementation Show room of “green” technologies Mini EXPO-2017 area

Center of green technology development “National Academy of Green Technologies” Training base of green practices Consultation center for MCB Center of competence “Organic” Educational centre for energy saving and increase of energy efficiency

RESULTS THAT WERE REACHED DURING 2016 YEAR

There are 35 green technologies that were implemented and approved

Center of green technology development “National Academy of Green Technologies” was opened and more than 5 000 women were taught.

Organic center was created as a centre of rising qualification in agriculture

18 partner-companies are demonstrating their technologies

1 500 000 tenge was saved with the help of green technologies implemented into Arnasay

More than 3 tons of organic food was grown in Arnasay
35 green technologies are implemented on the area of 1,300 square meters.

- Solar bio-vegetary (300 square meters)
- Team-building zone (700 square meters)
- Aqua-culture (100 square meters)
- Fito-diode greenhouse (200 square meters)
- Hotel for 30 people
- Training room with 30 seats
- Canteen (70 square meters)
# CREATION OF ORGANIC CENTRE ON THE BASE OF CENTRE OF GREEN TECHNOLOGIES “ARNASAY”

**SUPPORT:**

- Ministry of Agriculture of the Republic of Kazakhstan

**DIRECTION OF ACTIVITIES:**

- Organization of training related to production and certifications of organic products.
- Carrying out master classes with national and international experts.
- Preparation TOT trainers.
- Preparation for certification of agricultural producers.
- Development of methodical materials on agro technologies of cultivation of organic vegetables.
- Practical acquaintance with process of organic products cultivation.
- Preparation of necessary documents for certifications of organic products.
- Maintenance while certification.

## INSTITUTIONAL SUPPORT

### Rule-making activity
- Participation while developing the Law of RK “About organic agriculture”

### Educational activity
- For 2015-2016 20 conferences and round tables on development of organic agriculture were organized.

### Methodical activity
- 6 methodical books and standards of NGO were developed:
  - “The organic Biogumus fertilizer”
  - “Organic potatoes” - rules of cultivation, transportation

### Practical steps
- Product mark was developed
- In 4 greenhouses organic products are being cultivated

### International partners
- PO “Ecological union”, Russian Federation
- Federation of organic movement of Ukraine
- International Association on pesticides

## MARKING ORGANIC PRODUCTS

In December 2016 ULE “The Coalition for "Green" Economy and G-Global Development became the owner of voluntary eco-mark “Green Food KZ”.

Within the signed memorandum of IE “Strelets” will sell the grown-up organic vegetable products under the trademark of the Green Food KZ.

## PLANS FOR 2017 YEAR

### Organization of education
- Preparation of 30 TOT trainers
- Carrying out 5 seminar-training with coverage of 150 people

### Organization of EXPO-2017 events
- Carrying out a round table on organic agriculture within 14 International forums on pesticides and chlororganic chemistry.
- Organization of International conferences on organics

### Cultivation of organic products
- Organization of cooperative for production and realization of organic vegetable cultures
DEPUTIES OF SENATE OF PARLAMNET OF RK AT THE HEAD OF CHAIRMAN OF COMMITTEE ON SOCIAL-CULTURAL DEVELOPMENT AND SCIENCE BYRGAIYMAITIMOVA ACQUAINTED WITH THE WORK OF CENTRE OF GREEN TECHNOLOGIES “ARNASAY”
In the school there is a new model of ecological education that was already implemented and is working nowadays. Children and teachers are learning about new technologies with the help of those technologies that are already implemented into this school. Achieved results are spread by children, parents and teachers. This school became a base for spreading of such experience among Nazarbayev Intellectual Schools. Every year approximately 3,000,000 tenge is saved with the help of green technologies.

**GOALS REACHED BY VYACHESLAV LOCAL SCHOOL**

- Solar panel: saves 10,000 Kwh of electricity each year
- Pyrolysis furnace: saves 1,170,000 tenge each year
- Light-diode lamps: save 812,000 tenge on lightening
- Solar collector: heats 250 liters of water per a day
- Reduction of CO2 emissions: CO2 was reduced on 45 percent (298,462 tons)
- Drop irrigation system: saves 3.5 liters of water and raises the productivity of greenhouse on 3 times
- CO2 sensor: measures air quality
- Filter for water: the amount of salts and sulfates was decreased twice
ECOLOGICAL FESTIVAL “ARNASAY – GREEN VALEY”,
June 3rd, 2016.
CREATION OF YOUTH "GREEN" CAMP "EXPO-CAMP"
(Opening of the camp - June 2017, aul Arnasay)

01 Organization of the camp, with training, team building, exchange knowledge, networking with learning green technologies and innovations

02 Organization and conduct round tables and discussion sites on the topics EXPO-2017 with participation of youth of the countries of the world

03 Visiting the youth of the event of the specialized exhibition EXPO-2017

04 Participation of young people in the implementation of demonstration projects in the field of renewable energy, agriculture, resource-saving, energy efficiency, etc.

05 Organization of cultural and recreational activities for young people

04 PARK G-GLOBAL

05 SPORTS GROUNDS

05 ECO-ROUTES

05 GREEN COUCHING

04 EQUIPPED BEACH

05 TEAM BUILDING

05 TRAINING IN GREEN TECHNOLOGIES

05 TENT-TOWN WITH INFRASTRUCTURE

General partner
Social Partner
Organizers

Participation of young people in the implementation of demonstration projects in the field of renewable energy, agriculture, resource-saving, energy efficiency, etc.
“GREEN” SUMMER CAMP “EXPO-CAMP”
FIRST REPUBLICAN FORUM OF “GREEN” ECONOMY LEADERS

THE REPUBLICAN FORUM OF LEADERS OF “GREEN” ECONOMY IS HELD FOR THE PURPOSE OF THE ORGANIZATION OF AWARD OF THE BEST FOR ACHIEVEMENT OF CONSIDERABLE RESULTS IN THE SPHERE OF “GREEN” ECONOMY

Date of carrying out: 28th April 2017
Location: Rixos President Astana Hotel

MAIN GOALS OF FORUM:

- Attraction of public attention to questions of efficiency of "green" technologies
- Identifications of the best the practicing and projects in the sphere of "green economy"
- Promotion of use of “green” technologies
- Development of “green” business

IN THE FRAME OF FORUM THERE WILL BE:

- Rewarding of winners of the Republican competition "green press" in the nominations:
  - the best TV plot and the best telecast;
  - the best TV and radio program;
  - the best article in the newspaper;
  - the best material in Internet resources;
  - "The green blogger" - for the best coverage of the topic on the blog platforms and on social networks with a hashtag #greenpress

DELIVERY NATIONAL AWARDS IN THE FIELD OF "GREEN" ECONOMY "LEADERS OF GREEN ECONOMY":

- "For a contribution to development of "green economy" in Kazakhstan"
- "For achievements in a scope of "green" technologies"
- "For best practices on development, introduction, stimulation and promotion of innovative "green" projects"
PHOTO REPORT FROM A FIRST REPUBLIC FORUM OF “GREEN ECONOMY” LEADERS
“I suggest to create the international organization "Green Bridge" in 2013 …"
N. Nazarbayev from "the Strategy of Kazakhstan-2050"

"Looking in the future, on the basis of infrastructure of the EXPO-2017 exhibition I suggest to open in Astana the International Center for development of "green" technologies and investment projects under the auspices of the UN" from N. Nazarbayev's performance on the UN General Assembly, New York, 2015

GREEN BRIDGE PARTNERSHIP PROGRAM (GBPP)

In 2015 International Organization “Green bridge partnership program” was created

- Creation of international platform for consolidation of countries, business, NGO, directed to green raise with a help of signing the charter
- Attraction, promotion and transfer of “green” projects
- Creation of wide base of green technologies

15 countries and 21 NGO has already signed the charter
According to the concept of Ministry of Energy of RK
List of green technologies of RK was created

WEBSITE FOR REGISTRATION: WWW.GBPP-EXPO.ORG

### Before EXPO-2017
- Signing of a charter of PPZM by Akimats of areas
- Formation of the register of green technologies
- Transfer of technologies to regions

### During EXPO-2017
- Organization of B2B and B2C meeting

### After EXPO-2017
- GBPP is the dialogue platform International the center of green technologies and investment projects under the auspices of the UN.
DURING 2013-2017 YEARS 5 INTERNATIONAL FORUMS OF GREEN BRIDGE PARTNERSHIP PROGRAM WERE ORGANIZED

- **2013**: International conference “Green bridge 2013” in the frame of VI Astana Economic Forum
- **2015**: 13 November 2015 International Conference “Green Bridge – partnership platform”
- **2016**: 14 Sept International conference “Green bridge – bridge to green technologies, innovations and available energy”
- **2017**: 12-13 July 2017 International Forum “Green bridge partnership program”
PHOTO REPORT FROM INTERNATIONAL FORUM
“GREEN BRIDGE PARTNERSHIP PROGRAM”