

BioRegions Project Descriptions for each Program Focus Area, 2014-2015 (3)

Whole Community Program: *developing our common vision*

Orkhon soum (County), Bulgan aimag (Province) In Orkhon soum we have an opportunity to share with the county government a vision of what could be an 'ideal county' for their environment and culture, and then work towards the vision via 1) a holistic planning process and 2) a series of relatively small and very specific improvement and exchange projects. BioRegions plays the role of a Pied Piper from the outside to give examples and encourage action. Local officials and citizens have requested that BioRegions, "show us specific examples, things we can see or touch, and we will find ways to implement them." The county has a conventional administration headquartered in a very small rural town and 4 outlying administrative areas, also with local representation and leadership. Further, the county lies adjacent to a mining city similar to Butte, MT, with urban/rural interface opportunities and challenges. BioRegions feels very well connected and welcome in Orkhon.



Orkhon soum summer camp

Huvsgol aimag (Province)

In Huvsgol aimag BioRegions is working with the Mongolian Ministry of Nature and Environment and National Park Service on design and administration for three Special Protected Areas (SPAs) which deal with argali sheep, the threatened taimen (salmonoid species) and the Tuvan reindeer herders. Again the administrator has asked for assistance in developing 'ideal' parks with both a protection and a service component so that they contribute to sustainable development of local economies. Our tasks can include:

- Overall holistic planning process (the administrator is facing a December deadline for the first plan)
- Design of a visitor center (again we have a vision of a process to create a design which reflects the environment and culture while demonstrating sustainable practices dealing with material use and energy efficiency).
- Developing tourism to fit with environmental and social opportunities and constraints
- Helping the four counties within the 'buffer zone' with a regional planning approach
- The provincial capital, Murun, is a sister city with Bozeman, with opportunities for municipal and cultural exchanges.



Darhad herders migrate over snowy passes

Sustainable Building Design and Practices

Problem Statement

The governor of Binder soum in Khentii aimag wants to construct a new kindergarten building and an apartment building for young couples. He would like design assistance to make the buildings environmentally efficient. Both buildings would serve to attract families to live in a countryside soum center rather than migrate to Ulaanbaatar and would be useful prototypes for other buildings.

Future plans

Determine the governor's time frame and then explore participation with Montana State University and other Yellowstone/Montana Bioregion architects along with Mongolian experts and foreign NGOs.

- Request to help design small dwellings for single parent families (opportunities to use local materials (sand/gravel/earth/straw/wood). If the design can be more energy efficient, the dwellers can save energy usually expended for heating and cooking, these savings can improve the quality of their lives.
- Request to help design a children's playground. We envision a process of networking with groups already working on this topic, and then helping a planning group to identify the needs, find contemporary examples, and use a combination of local materials and skills along with outside inputs. Both of these projects can have a significant component of 'education and training' for local artisans and workers. They could also be practical examples for learning math and science skills in the local school, which goes up to 9th grade.
- In Khentii aimag the governor of Binder soum wants to construct a kindergarten building and an apartment for young couples. He wants to use sustainable building practices. This could be another opportunity to assist in the design process and push the envelope. We may also have potential to help with regional planning to develop appropriate tourism.



Figure 1 Town of Binder, location for kindergarten and apartment buildings

Improving herder family and User Group decision making

Background

Herding families are the backbone of countryside Mongolia. Their ability to stay on the land and contribute to the basic animal products needs of the country while practicing sustainable livelihoods is critical to Mongolia's development in ways which honor the environment and the cultural heritage. Countryside people face challenges from pasture and watershed degradation, changing markets, and migration to urban centers. Many herding families come from urban backgrounds and are new to herding. They may not be aware of the long-lived traditional wisdom knowledge which was heavily suppressed during the Socialist era. With private ownership of animals but common lands grazing, and with the premium price for cashmere, the common lands face immense overstocking and little chance for recovery between grazing events.



Munkhbat family and Badmaa confer on grazing decisions

The biggest positive change these rural areas can make, which honors and respects the productive yet harsh environment, is 1) to learn to make proactive decisions which account for most of the variables they face, and 2) to organize enough to enforce proper grazing practices and allow natural restoration of damaged rangelands and watersheds

Actions

The BioRegions Holistic Management process can help both individual herding families and potential user groups or other herder organizations to make the paradigm shifts needed to increase resiliency of the land and the people. This project, occurring in conjunction with the watershed projects for the Bird River in Orkhon and the Gold River in Bayanzurkh, will work with soum officials to sponsor Holistic Management training and mentoring over a three year period for 1) selected herder families and 2) selected natural resource user groups.

Budget Items

- A Herder Improvement Fund for each soum started by a donation from BioRegions, then administered by the soum government and passed from recipient to recipient. Applicants will present a holistic financial plan showing how the fund will provide useful start-up capital to

improve animal and pasture health and productivity or some other economic aspect of the herder's business. The BioRegions business team and staff will work through the Holistic Management process to help families to prepare applications and business plans for consideration.

BioRegions \$800 (1:4 match)
Local sources \$200

- User Group Improvement Fund for each soum to provide organizational and then start-up assistance for user group ventures. Same process of application preparation and submission
BioRegions \$800 (1:4 match)
Local sources \$200

BioRegions Field Stations: Opportunities to Learn and Work with Local and Outside Experts

Background

BioRegions Field Stations are located in strategic places from year to year in order to provide extended opportunities to work with experts, including local people, on BioRegions Program Focus Areas, such as an artisan skills training workshop, a horsemanship and horse care training, a traditional music workshop, an environmental cleanup project, application of traditional medicinal plants, and so on. Upcoming field station schedules and topics will be announced on this web site.



Ecologist Dr. Lance Craighead training Darhad rangers

Budget Items will depend on topic, duration, and location

Business Program: developing the entrepreneurship outlook and skills for successful communities and organizations

Orkhon and Darhad Valley Ecotourism Plan

Background

Tourism in Mongolia can take advantage of both the environment and the culture, the two most important attractants for sensitive tourists. In many rural areas there is a gap between these sensitive tourists and the rural people. An ecotourism plan and subsequent training and promotion can bridge this gap so that rural communities can benefit from an environmentally and culturally sensitive tourism and so that tourists can experience 'real Mongolia' through positive, yet challenging and relatively safe experiences.



Setsen, Sam Atkins, and Tumursukh view article on importance of environment for tourism in Greater Yellowstone

Mr. Tumursukh, Director of two Special Protected Areas and a National Park in the Darhad Valley of Huvsgul aimag, and the local soum governments have requested BioRegions assistance in developing ecotourism approaches. In 2009 BioRegions worked with a herder user group to develop ecotourism guidelines and tested them with brief homestays.

In 2013 Orkhon soum asked BioRegions to help create an ecotourism plan. In 2014 the BioRegions business team conducted field inspections and interviews in the process of plan development.

The next stage is to organize training workshops for officials and citizens to decide on infrastructure needs (like signs and maps), train guides and hosts for homestays, and have 'test' homestays and activities combining experiencing the environment and culture with appropriate recreational

activities. The workshops will be designed to be participatory, instructional, and creative, with use of the Holistic Management process.

It will be important to blend into this process input from other BioRegions Program Focus Areas, specifically Environment, Health, Traditional Knowledge and Skills, and The Arts, for they will figure prominently in attracting ecotourists to remote locations.

Actions

- Collect ‘reasonable cost’ examples of ecotourism activities elsewhere in Mongolia and the world
- Finalize a draft ecotourism plan for Darhad Valley National Parks and Special Protected Areas
- Finalize a draft ecotourism plan for Orkhon soum
- Prepare workshop materials and hold training workshops in Mongolia to involve local government, tourism providers, and local citizens and businesses with ecotourism training
- ‘Trial’ ecotourism activities with student ‘tourists’
- Use information and experience from the workshops and trials to finalize ecotourism guidelines and action plans

Budget Items

- Training materials
 - BioRegions \$500
 - Matching \$500
- On site workshops in several locations in Darhad Valley and Orkhon soum
 - Travel and per diem expenses for presenters
 - BioRegions \$500
 - Presenters \$4000 each
 - Travel and per diem expenses for participants
 - BioRegions \$500
 - Matching \$500

Education Program: sharing knowledge and skills, developing wisdom, moving towards understanding

BioRegions International Scholarship Program

Background

Education is one of the keys to a well-rounded successful community. This program provides tuition assistance for high quality, motivated Mongolian students for university studies or vocational training. Students must be residents of an area where BioRegions has projects. BioRegions and our collaborators will provide mentoring to the participants as they progress. The intention is to provide the same level of support for the entire course of study, such as attainment of a degree or certificate. Students are expected to provide living expenses from other sources. BioRegions will also invite participants to join the summer work trip if appropriate for both parties.

Budget Items

- Orkhon soum
 - Three awards for tuition
 - BioRegions \$300
 - Donations \$300
 - Orkhon soum citizens \$300
- Darhad Valley soums
 - Two awards
 - Mongolian citizen (anonomous) \$300
 - BioRegions \$300
 - Darhad citizens \$300
- Huvsgul aimag

BioRegions translator staff 2014 “One-day salary scholarship”	\$150
BioRegions 2014 work trip participants	\$150
BioRegions match	\$150

BioRegions International Graduate Fellows Program

Background

The objective is to stimulate and reward high quality university graduate students who are pursuing research and/or service relevant to the Mission of BioRegions International in Mongolia and/or the US. The intent is for BioRegions to provide financial support over the course of one’s studies, The award is on a yearly basis and can be used for any portion of one’s education and research expenses. BioRegions expects Fellows to actively share in the research process and its results as a way to contribute to and support the BioRegions Mission and activities.



BioRegions Fellow Badmaa, Business Professor Martha Joh Reeder, and vegetable grower

At least two Fellows will be supported for each calendar year, with selection to occur in the preceding autumn.

Budget Items

Two Fellows, \$600 each

Career Counseling and Networking for Orkhon School students and graduates

Background

Rural Mongolian students can benefit from career-related interactions and mentoring with Mongolians who have completed their education and are on a career pathway. BioRegions staff persons Sunjidmaa, a former physician and present business owner, and Badmaa, a graduate student who already has multiple masters degrees, will offer mentoring time during the school year. This process will require a speaker phone for the Orkhon School, which will make communicating feasible with mentors who live elsewhere.

Budget

Speaker phone and phone time
 \$100
 Remuneration for counselors and mentors
 \$100

Books for Rural Libraries

Background

The Orkhon soum library needs children’s books.

Budget

BioRegions \$150
 Orkhon soum citizens \$50

Continuing Education for Rural Soum Schools

Continuing education can meet utilitarian needs of adults and provide a richness of quality of life through life-long learning. This is an important way to encourage people to stay their rural home areas instead of migrating to urban centers.

Actions

Work with Orkhon School to identify continuing education needs and resources. Then plan how to start a Continuing Education program. Consider collaborative start-up funding.

Coordinating English Teaching for Rural Soum Schools

Background

Rural school students and teachers can receive immense benefit from exposure to native English speakers. Orkhon School wants to know how to find native English speakers. BioRegions can help make initial connections and collaborate on longer term solutions.

Environmental Program: *caring for and improving our home place*

Darhad Valley National Parks and Special Protected Areas

Background

The Darhad Valley in Huvsgul aimag has three national level protected areas. Besides general conservation, they focus on argali sheep, the threatened taimen (salmonoid species) and the Tuvan reindeer herders. Two are newly designated. J. Tumursukh, Director for all three areas, is in the process of developing inventory, monitoring and management procedures. He wants them to join the international family of protected areas as 'ideal' parks where environmental stewardship goes hand in hand with local cultural values, traditional practices, and development to meet needs of the buffer zone communities. He promotes both roles of protection of resources and service for visitors and sustainable development of local economies

Tumursukh asked BioRegions to conduct a ranger training workshop, which occurred in May 2014 with 40 some rangers and officials joining a two day session with experts from the US National Park Service, consulting ecologists, and BioRegions staff. The Holistic Management process provided a participatory template resulting in shared visions for the three protected areas. The workshop resulted in development of a prototype monitoring form and a list of needs to address.

Actions

- Assistance with management plan formulation and review
- Ranger and staff skill development
 - Science observation and monitoring skills
 - GIS mapping, data base management
 - Service oriented skills
 - Human-interaction
 - Use of Holistic Management process to develop community improvement projects
 - Search and Rescue and First-Aid training
- Sister Monitoring Project
- Visitor Center Design

Budget Items

- Provide training workshops for rangers and staff in GIS mapping, data base management, science observation and measurement skills, service skills, backcountry search/rescue/first-aid

Volunteer trainers from US National Park Service, Riverstone Health, and BioRegions

Travel expenses for four people: wilderness medicine trainer, natural science inventory and monitoring trainer, data base management trainer, service skills trainer (ideally this workshop will overlap with an ecotourism development workshop involving ranger staff, local officials, citizens and the BioRegions Business Team.) also ideally the sister monitoring project participants will be involved in these workshops.

4 x \$4000 per person (international airfare and in country costs) = \$16,000



Dr. David Thoma, US NPS, with Darhad Valley rangers

Sister Monitoring Project

Actions

Bring two Mongolian Park Service personnel to participate in field inventory and monitoring in the US (preferably Western US) for 4 weeks, then sponsor them to conduct a workshop for Mongolian staff.

Budget Items

two people travel to US and one month in country
2 X \$6,000 = \$12,000
translator expense in US \$5,000

Visitor Center design

Background

Tumursukh has reserved land for a visitor center near the Parks administrative center in the town of Ulaan Uul. He has asked for assistance in building design. This is an opportunity to engage in a design process to create a unique but culturally and environmentally appropriate building design. Ideally the design will incorporate cultural and environmental themes which showcase regional natural materials and building techniques in combination with contemporary technologies for energy and cost conservation.



Kristin Legg, US NPS, explains US park history

Waste Cycling and Cleanup

Background

Many of the communities and watersheds where BioRegions works are plagued by lack of waste cycling and flagrant littering. The governor of Orkhon soum told BioRegions "When I visited the States, I saw streets devoid of litter. I want that for Orkhon!". Some examples will help make a paradigm change.

Actions

Bayanzurkh town and river cleanup
Mongolia River Outfitters and BioRegions can to assist with town and river cleanup as well as determining feasibility of collecting and transporting valuable, and / or toxic, waste back to Murun. Sponsorship of an annual town and river cleanup week each spring would be an effective way to initiate the paradigm change.



Collecting trash on Delger Murun River

Budget items

Transportation of recyclable and toxic waste to Murun
Design and construction of a proper and safe landfill
Funds for annual cleanup week

Orkhon soum, Bulgan aimag

Annual 'cleanest town yard' contest, \$250 award
\$200 BioRegions
\$50 local matching funds
Annual 'cleanest winter camp for animals' contest, \$250 award
\$200 BioRegions
\$50 local matching funds

Watershed Stability Restoration: Climate Variability, Grazing, Water and Fishery Quality

Background

Many Mongolian landscapes show signs of overstocking and overgrazing by private herds. Many watersheds are showing higher rates of erosion and stream sediment loads which degrade riparian habitat. While increasing frequency and severity of weather events like drought or intense storms, along

with temperature warming, are well documented in Mongolia, the short-term changes which people can make are to adjust grazing practices and possibly to initiate steep slope and streambed restoration practices. Herding families and local governments often say they know what to change, but lack the will power, motivation, and experience.

Actions

The objectives for this project are to 1) show herders how variations in precipitation and temperature can effect grazing land productivity and to build a decision-support process so that precipitation and temperature measurements can help herders plan ahead, 2) demonstrate to herders how proper stocking rates, intense short-duration grazing, and adequate recovery time can encourage revegetation of overgrazed sites.

This project can be accomplished in two subsidiary watersheds to major rivers, the Golden River in Bayanzurkh soum of Huvsgul aimag, which flows into the Delger Murun, and the Bird River in Orkhon soum of Bulgan aimag which flows into the Orkhon River. Both watersheds have highly increased numbers of domestic animals and show signs of severe slope erosion and high stream sediment load . This project may be the PhD research project for Badmagarav Dovchin.



Sediment pollution and overgrazing near Delger Murun River (M. Johnstad photo)

Budget Items

- Fund to establish, maintain, and promote demonstrations of proper stocking rates and grazing practices for three years \$5000 per year \$15,000
 - construction of precipitation-temperature-grassland productivity model
 - herder and soum official workshops and field trips
 - two years of activities at \$1500 per year
- \$3,000

Health Program: *taking care for people and animals*

Preventative Health Practices for Rural Areas

Background

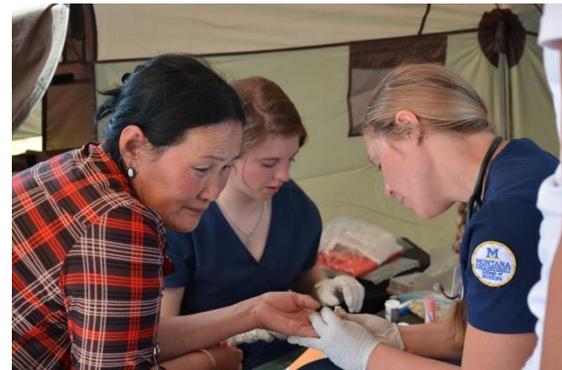
BioRegions wants to help existing organizations and health professionals become more effective in promoting preventative health practices

Actions .

- Screening as requested in Orkhon soum
- Training for health practitioners in Orkhon soum
- Consultation on Orkhon soum hospital design and construction

Budget items

- In country expenses for Health Team coordinator, nursing coordinator, resident physician, WWAMI medical student, Mongolian medical student (matched by international airfares for each)
5 X \$1500 = \$7,500
- Demonstration and workshop equipment \$1,000
- Expenses for Mongolian medical student to visit Montana health care facilities and practitioners \$4000
- Translators wages and field expenses 2 X \$1500 =\$3000



Health screening with Montana State University nursing students

Specialist Consultations and Trainings: short term visits

Short term consultations and trainings in specialties or general practice areas can be arranged for areas where BioRegions works in Khentii, Huvsgul, and Bulgan aimags. These may be done in conjunction with recreational and ecotourism activities.

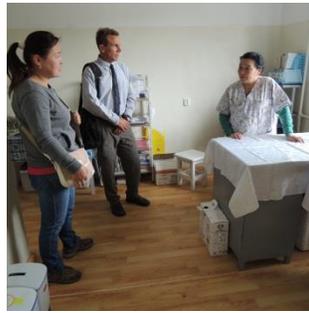


Figure 2Dr. Erich Pessl and Sunjee in Bayanzurkh Hospital



Dr. Tersh McCracken, OBGYN specialist, with the Darhad rangers

Veterinarian and Herder Family Training in Orkhon soum **Background**

In a 2014 reconnaissance to Orkhon soum, Dr. Shannon Moreaux and Dr. Peter Heidmann interacted with local veterinarians and herders. They learned that, in the rush to build up private herds, traditional animal health techniques, such as frequent movement from soiled ground, have often been overlooked, especially by younger herders. They found herders and veterinarians eager to learn additional techniques and skills. There is an opportunity for veterinarian-based business enterprise to supply tools and training currently unavailable or very difficult to obtain.

Animal health and herd productivity can be improved by

1. Parasite control
 - a. Avoiding overcrowding
 - b. Using Ivermectin according to guidelines
 - c. Using Albendazole according to guidelines
 - d. Using Praziquantel according to guidelines (must first be made available in Mongolia)
 - e. Monitoring for drug resistance, guarding against partial treatments
 - f. Avoiding use of ineffective or wrong drugs
2. Correct diagnoses for flu and parasites
3. Herding and grazing practices which avoid overcrowding and dirty conditions
4. Practice of animal handling techniques which build confidence and trust between animals and herder or handler
5. Hoof care for horses, starting with hoof trimming at young ages



Dr. Shannon Moreaux demonstrating a simple way to measure body temperature

Herding animals form the economic base for Orkhon, a rural soum. Governor Ouyun would like her soum to make steps towards being an 'ideal soum'. A well trained network of local veterinarians can help increase resiliency and productivity of Orkhon herding families by providing instruction and services in parasite control, diagnosis, herding and animal handling practices and hoof care. These services could be delivered through both public and private veterinarians who could organize their own network to obtain training, medicines, and tools.

Much of the veterinary training, to ultimately be passed on to the herding families, can be accomplished with the assistance of professional veterinary students and pre-veterinary students and faculty instructors who would provide training in the field with

Orkhon veterinarians and 'example' herding families. In return, the students would experience and learn traditional skills and techniques of the Mongolian herding culture. The BioRegions Business Team would work with the veterinarians and students on how to setup the business aspects of providing training sessions and materials.

BioRegions is open to developing collaborative research projects with faculty of the Mongolian Institute of Veterinary Medicine and the Mongolian State University of Agriculture along with exploring the most effective ways to support training and updating of soum veterinarians.

Actions

- Obtain ‘sample’ supplies of tools and medicines
- Develop training materials, with examples, for Orkhon veterinarians and herder families
- Collaborate with BioRegions Business Team on protocol for setting up veterinarian-based enterprises using Holistic Management techniques to supply training and materials
- Conduct training sessions for Orkhon veterinarians using MSU students with US veterinarian supervisors

Budget

Tools and Medicines	
Donations	\$1000
BioRegions	\$1000
Training sessions	
Student and instructor travel and living expenses	
BioRegions	\$1000
Each participant	\$4000
Mongolian participants responsible for their own expenses	



Teaching hoof care

Traditional Skills and Knowledge Program:
practicing the fundamental knowledge of the culture

Community Museum and Learning Center Design and Curation

The small soum center town of Bayanzurkh has a museum with local objects of historical and cultural significance. The town legislature plans to construct a building for the museum and wants BioRegions to assist with proper curation. In the past four years BioRegions has contacted professional curators at the national museum in Ulaanbaatar. The next step is to reinitialize the contact and make a determination of the costs involved.



Bayanzurkh Museum with Munkhtsetseg, daughter of founder

BioRegions would also like to encourage Bayanzurkh to design and construct a state of the art sustainable building which uses regionally available building materials and energy efficient technologies to celebrate the unique natural setting (rocky canyons, big rivers, vast grasslands, big mountains, wildlife, native fisheries) of the area.

Artisans and Artists Program

Problem Statement-Background

Artisans practice traditional, as well as new skills to create and produce items needed for daily life in their communities. Locally crafted items bring pride and value to community economies, reduce dependence on outside influence, and create employment. Artisans often apply their own senses of creativity and aesthetics to their crafts, adding more value and bringing a sense of human expression into daily lives of the users. Consequently, these items, useful for locals, often are attractive for eco tourists who want to experience the local and regional culture in unobtrusive manners.

Many artisan skills were suppressed during the Socialist Era, 1924-1992. Now it is important to nurture their reappearance, especially in countryside communities where many young people tend to migrate to

urban centers. Artisans and skilled craftspeople can play important roles in building economies of these countryside communities.

Progress

In 2004, a grant from The International Foundation helped BioRegions begin a series of artisan development grants to recognize both established and upcoming artisans and help them establish their



Felt products displayed at Darhad Blue Valley Festival

businesses. BioRegions supports local school programs to encourage art and artisanship through art contests, shop tool and supplies purchase, traditional musical instrument purchase, and traditional clothing for music performers. BioRegions supports local artisans who design and make traditional jewelry; blacksmith products such as horse bridle bits and stirrups; saddles; leather work such as traditional boots; and traditional clothing; as well as display and sales of these products.

Future Plans

BioRegions has contacts with artisans and artists in all locations where we work and is ready to support training, apprenticeships, small business development for these artisans.

The Arts Program: human expression to bring us together, chronicle our journey, share our varying backgrounds and viewpoints, and honor the emotion in our lives

Darhad Blue Valley Festival Background

BioRegions inaugurated the Darhad Blue Valley Festival in 2006 to encourage practice of the traditional 'arts' including song, music, dance, oratory poetry, and artisanship. Held annually every year except 2013, the festival has moved around the 4 soum centers of the Darhad Valley, and was held once in the aimag center, Murun.

Ms. Oyungerel, Minister of Sport, Culture, and Tourism, and a member of Parliament, has proposed expanding the festival to include all of the ethnic groups of Huvsgul aimag, and to make it a regional attraction for both residents and tourists. Her proposal includes the concept of holding the festival in distinct and valued geographic places which showcase nature, and to repeat the location for enough years for the place to become well known as the festival serves to generate development for the hosting community. Based on extensive travels in Huvsgul, which is also her home aimag, Minister Oyungerel proposes that the festival be held beneath the large cliff (promontory) known as Boloshtoi(?) Rock, at the confluence of the Beltes and Delger Murun Rivers, about 10 km from the soum center of Bayanzurkh.



Proposed site for 2015 Darhad Blue Valley Festival at confluence of Beltes and Delger Murun Rivers

BioRegions agreed to collaborate with the Ministry, Huvsgul aimag, and Bayanzurkh soum in developing the festival over a three to five year time frame. The Minister agreed to assist with funding for three years, starting with 2015. In the longterm, the festival should generate its own funding through local support.

BioRegions, Bayanzurkh soum, and Huvsgul aimag will develop a plan and budget to present to Minister Oyungerel in December. We will ask for input and participation from local and regional citizens, respected elders and practitioners of traditional skills, and business interests, including tourism. We will use the holistic process to guide decision making so that the festival honors and

respects the nature of the special place as well as the cultural values and skills of the participants.

The organizers agree for the 2015 festival to be small, local, and very well done, to gain experience in hosting the festival in the vicinity of Bayanzurkh and Boloshtoi (sp?) Rock. Then the festival will gradually expand to the regional scale including all of Huvsgul. BioRegions will propose that the festival also include learning and development opportunities where the hosting community, participants and audience members can engage with the BioRegions Program Areas of business, education, environment, health, as well as the traditional skills and arts celebrated with the festival.

Budget items (the Ministry has pledged a substantial amount of the planning is well-along)

- Festival participant expenses
- Prizes
- Organization expenses
Sound, stage, sanitation, shelter and food systems, outdoor 'leave no trace' facilities
- Publicity and documentation
- Guest expert consultation from Mongolia or US with experience organizing large outdoor festivals (requested by Bayanzurkh hural director)