Action plan of Mongolian Agenda for Sustainable Livestock (MASL)

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Mongolian rangelands encompass a variety of ecosystems, including above (Undarmaa et al., 2015).
OVERVIEW

1. Current Situation of Livestock Sector in Mongolia
2. Key Challenges
3. MASL
4. Progress and way forward
5. Proposed activities to collaborate with GASL
CURRENT SITUATION OF LIVESTOCK SECTOR

27% of total labor force of Mongolia is in livestock sector

- **Household with livestock**: 230.8 thous
- **Herder household**: 169.7 thous
- **Number of herders**: 288.7 thous
- **Number of farmers**: 3,01 thous

Livestock sector, by 2018

- **GDP**: 11%
- **Employees**: 27%
- **Share in agriculture sector**: 84%
- **Export revenue**: 6.6%
- **Number of rural households**: 56%

- 7.34 times the size of Kansas
- Agricultural land equals to 53% of total Kansas area
CURRENT SITUATION OF LIVESTOCK SECTOR

Total number of livestock is 66.46 million heads (2018)

Raw material resources of livestock sector

- Meat: 515.2 thousand ton
- Milk: 902.4 million l
- Egg: 151.9 million pc
- Leather: 19.3 million pc
- Wool: 33.0 thousand ton
- Cashmere: 10.9 thousand ton

Total number of livestock: 66.46 million heads (2018)
Environmental constraints
- Changing climate (temperature & precipitation)
- Landscape & herding practice
  → Highly unpredictable environmental situation

Socioeconomic challenges
- Lack of official regulation of pasture use
  (Undargaa & McCarthy, 2016)
- Poor market opportunities (Lkhagvadorj et al., 2013; Addison and Brown, 2014)
  → Vulnerable rural livelihoods
  → High grazing pressure on pastureland

Effects of challenges
- Contribute to the increase rural poverty rate
- Overgrazing and land degradation
  → Unsustainable herd and pasture management
• Last annual GASL MSP meeting held in UB (June 2018)
• Mongolia championed as first country in the world the translation of GASL into national context
• Approval of MASL by order of Minister of MoFALI (June 2018)
GOAL

Support the **sustainable development** of the Mongolian livestock sector as economically efficient while implementing sustainable **pastureland** management, enhancing **food security and safety** and **social inclusiveness**, and strengthening **stakeholder partnerships** and participation.
MASL OBJECTIVES AND ALIGNED WITH SDGS

1. Current Situation
2. Key Challenges
3. MASL
4. Progress and way forward
5. Proposal to GASL

1. To restore, rehabilitate and utilize pastureland and water resources sustainably and responsibly, to adapt to climate change, and to mitigate climate change impacts.

2. To improve the efficiency and productivity of livestock production in various livestock product value chains, and to develop export-oriented livestock production.

3. To develop veterinary and animal breeding services, and to improve food security and safety.

4. To support rural development, to reduce poverty and income inequality, and to improve the social service delivery and quality.

5. To develop partnerships between stakeholders including professional associations, research organizations, non-government organizations, herder organizations, cooperatives and international organizations, and to support public–private partnerships.
OBJECTIVE 1: PASTURELAND, WATER RESOURCES, CLIMATE – SELECTED ACTIVITIES

• Establish “Sustainable livestock” revolving fund” replenished by pasture use fee
• Embed development of innovations and technologies
• Develop management information system, traceability system and raw materials and products

OBJECTIVE 2: EFFICIENCY AND PRODUCTIVITY – SELECTED ACTIVITIES

• Create production of livestock products for targeted markets
• Develop light industries to process livestock products, and support primary processing in local areas
OBJECTIVE 3: VETERINARY & BREEDING SERVICES & FOOD SAFETY – SELECTED ACTIVITIES

• Establish nation wide system of disease early diagnose and precaution
• Revise strategic plan of animal breeding services in Mongolia through extensive discussions among professional organizations

OBJECTIVE 4: RURAL DEVELOPMENT, POVERTY, INCOME INEQUALITY, SOCIAL SERVICE– SELECTED ACTIVITIES

• Improve the capacities of local professionals and officials
• Encourage young professionals and graduates to work in the rural areas...
• Conduct trainings for young herders to learn from senior or experienced herders through learning methods of practical field demonstrations and distance learning
OBJECTIVE 5: PARTNERSHIP – SELECTED ACTIVITIES

• Improve the participation of all stakeholders ...increase the investment
• Apply information technology and management information systems to monitor and evaluate the implementation and progress of the sustainable livestock sector
• ... establish “Comprehensive data and research network of livestock sector”
• Support stakeholder partnerships to encourage young persons to work for the livestock sector
• Promote and advocate for the value and importance of the livestock sector to the public
• Establish a platform to deliver livestock extension services through partnerships
<table>
<thead>
<tr>
<th>№</th>
<th>CRITERIA</th>
<th>Measurement unit</th>
<th>BASELINE (2016)</th>
<th>TARGET LEVEL (IN 2020)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Number of livestock that exceeds the pastureland carrying capacity</td>
<td>Million Sheep Unit</td>
<td>25</td>
<td>20</td>
</tr>
<tr>
<td>2.2</td>
<td>Gross livestock output per herder household, estimated by production method</td>
<td>Million MNT</td>
<td>21.76</td>
<td>30</td>
</tr>
<tr>
<td>2.3</td>
<td>Export of livestock products</td>
<td>Million USD</td>
<td>361.4</td>
<td>400</td>
</tr>
<tr>
<td>3.3</td>
<td>Number of occurrences of livestock infectious diseases</td>
<td>Number of soums were disease was registered, double counting</td>
<td>598</td>
<td>300</td>
</tr>
<tr>
<td>3.5</td>
<td>Number of livestock per veterinarian</td>
<td>Thousand heads of livestock</td>
<td>39.2</td>
<td>30</td>
</tr>
<tr>
<td>4.1</td>
<td>Share of herders who paid social insurance fee in total number of herders</td>
<td>%</td>
<td>19.3</td>
<td>40</td>
</tr>
<tr>
<td>4.2</td>
<td>Rural poverty rate</td>
<td>%</td>
<td>39.4</td>
<td>30</td>
</tr>
<tr>
<td>5.1</td>
<td>Total investment to the agriculture sector</td>
<td>Bln MNT</td>
<td>147.5</td>
<td>170</td>
</tr>
<tr>
<td>5.2</td>
<td>Share of herders at age of 15-34 in total number of herders</td>
<td>%</td>
<td>34.8</td>
<td>38</td>
</tr>
<tr>
<td>Objectives</td>
<td>Million USD</td>
<td>Share in total (%)</td>
<td></td>
<td></td>
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<tr>
<td>------------------------------------------------</td>
<td>-------------</td>
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</tr>
<tr>
<td>Objective 1: Pastureland, water resources, climate</td>
<td>16.0</td>
<td>33.09%</td>
<td></td>
<td></td>
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<tr>
<td>Objective 2: Efficiency, productivity</td>
<td>9.2</td>
<td>18.88%</td>
<td></td>
<td></td>
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<tr>
<td>Objective 3: Veterinary, breeding, food safety</td>
<td>8.0</td>
<td>16.47%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Objective 4: Rural development, poverty, social service</td>
<td>9.5</td>
<td>19.58%</td>
<td></td>
<td></td>
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<tr>
<td>Objective 5: Partnership</td>
<td>5.8</td>
<td>11.96%</td>
<td></td>
<td></td>
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<tr>
<td>TOTAL</td>
<td>48.5</td>
<td></td>
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MASL’S POTENTIAL DOUBLE PURPOSE

• MASL naturally aims at improving the livestock sector in Mongolia
• Increasingly it becomes also an umbrella to bring stakeholders together and align activities/resources
• The latest meeting in June 2019 involved over 20 organizations & departments working on livestock
• A group of technical experts continuously works on MASL and undertakes evaluations (last report:
MAKING MASL VISIBLE ON LOCAL LEVEL

• A key challenge is to visualize a MASL impact at local herder level and evaluate MASL as high-level action plan against realities on the ground

• To that end, MASL is supported by Mercy Corps, FAO and a local NGO to pilot MASL in one local ‘soum’ in Zavkhan province, Mongolia

• A proposal is currently in development aiming potentially at different activities based on available funding.
### Progress Report 2018-2019

<table>
<thead>
<tr>
<th>Objective</th>
<th>Planned Million USD</th>
<th>Spent Million USD</th>
<th>Implementation rate, %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pastureland, water resources, climate</td>
<td>16.0</td>
<td>2.37</td>
<td>14.8</td>
</tr>
<tr>
<td>Efficiency, productivity</td>
<td>9.2</td>
<td>0.90</td>
<td>9.8</td>
</tr>
<tr>
<td>Veterinary, breeding, food safety</td>
<td>8.0</td>
<td>1.04</td>
<td>13.4</td>
</tr>
<tr>
<td>Rural development, poverty, social service</td>
<td>9.5</td>
<td>0.18</td>
<td>2.0</td>
</tr>
<tr>
<td>Partnership</td>
<td>5.8</td>
<td>0.20</td>
<td>4.4</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>48.5</strong></td>
<td><strong>4.70</strong></td>
<td><strong>9.7</strong></td>
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- As end of 2018, 19 out of 34 activities have been initiated
- Yet, a large number of activities still awaits implementation
## PROPOSED ACTIVITIES TO COLLABORATE WITH GASL

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<thead>
<tr>
<th></th>
<th>Conduct the scientific research and assessments on state of the pastureland and pastoral livestock sector</th>
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</thead>
<tbody>
<tr>
<td>1.4</td>
<td>Develop management information system of livestock sector, traceability system of livestock raw materials and products, and expand livestock registration system</td>
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<tr>
<td>1.9</td>
<td>Develop light industries to process livestock products, and support primary processing in local areas</td>
</tr>
<tr>
<td>2.5</td>
<td>Improve efficiency and quality of livestock through introducing technology and equipment on technical services for veterinary and animal breeding, develop mechanization and automatization appropriate for pastoral livestock</td>
</tr>
<tr>
<td>3.3</td>
<td>Organize trainings for herders to provide up-to-date information and knowledge, for instance on topic of “Opportunities and ways to benefit from social welfare services”</td>
</tr>
<tr>
<td>4.3</td>
<td>Apply information technology and management information systems to monitor and evaluate the implementation and progress of the sustainable livestock sector; and to establish “Comprehensive data and research network of livestock sector”</td>
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<td>5.2</td>
<td>Establish a platform to deliver livestock extension services to all stakeholders through strong partnerships</td>
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<td>5.5</td>
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THANK YOU FOR YOUR KIND ATTENTION

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