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SAMARKAND Conference

2-4 November 2016, Uzbekistan

Important structures of sericulture for world strategy in Uzbekistan

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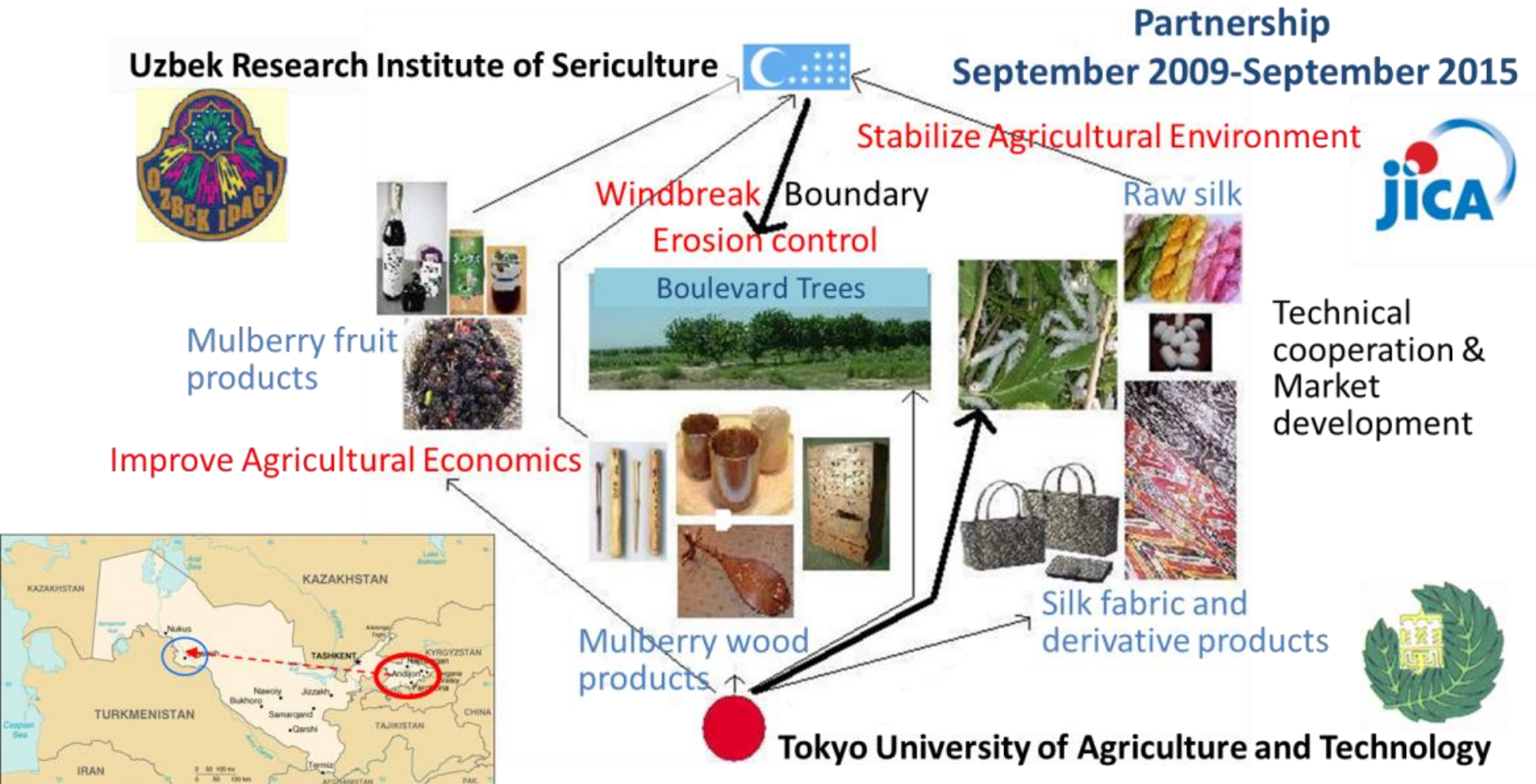
Introduction

- Uzbekistan is ranked third after China and India in cocoon production.
- Silk is one of the high price products.
- Introducing **Japanese silk worm breeds in Uzbekistan** of producing high quality silk.

Uzbek Silk Project

- Revitalization of the Silk Road Silk Industry in Uzbekistan - Developing a Rural Income Generation Model by the Improved Sericulture in Fergana Valley(09/09-08/12)
- Technical Cooperation Project for Promotion of the Silk-Road Industry in Uzbekistan - Developing a Technical Transfer Model to Increase Sideline Income of Remote Villages(03/13-09/15)

Uzbek Silk Project



Areas of rearing the silkworms



Murberry tree and silkworm



Silkworm



Results of silkworm rearing in Fergana, 2011

Rearing area	Breed	Farms	1st instar (g)	Cocoon crop (kg)	Yield (kg) per egg-case 1st instar (≈ 19 g)
Kotortol	Kinshu × Showa	16	418.0	1199.4	54.5
Krasokol		10	254.0	803.2	60.0
Ishtirkhon		10	291.0	866.0	56.6
Chulguliston		8	185.0	564.6	58.0
Koratepa		7	162.0	613.0	72.0
Khonobod		1	60.0	186.6	59.1
Total		52	1370.0	4232.8	60.0 avg.

Areas of rearing the silkworms



Results of silkworm rearing in Shovot, 2015

Strain	Number of farms	Amount of brushed-off silkworm larvae (g)	Amount of cocoon crop (kg)	Amount of cocoon crop (kg) per box (19g of brushed-off silkworm larvae)
Kinshu × Showa (Japanese)	87	2.105	6,927	62.5
Ipakchi (Uzbek)	44	1,178	3,565	57.5
Chinese	53	1,425	4,350	58.0

Japanese Silkworm egg made in Uzbekistan



Results of silkworm rearing in Beshariq, 2015

Strain	Number of farms	Amount of brushed-off silkworm larvae (g)	Amount of cocoon crop (kg)	Amount of cocoon crop (kg) per box (19g of brushed-off silkworm larvae)
Kinshu × Showa (Japan)	15	285	1039.6	69.3
Kinshu × Showa (Uzbek)	14	266	954.1	68.2

Results and Discussion

- Japanese breeds can be bred in the Uzbek
- The cocoon crop with Japanese breeds increased 1.1 to 1.6 times more than that with Uzbek breed
 - increased income for farmers
- Revitalization of the structure to prepare the high quality hybrid of silkworm eggs in Uzbekistan