

**„Man-made Aquatic Habitats Alterations and
their Effects on Sturgeon Populations“
Workshop Programme, Beijing, August 24-25, 2004**

Day 1 Opening Session (Chair persons: Jianbo Chang and Qiwei Wei)

08:30 – 08:45 hrs Opening/Welcome address (local Organizers & Conference Officials)

**Session 1: Introductory reviews on global conservation aspects for sturgeon species
(Chair persons: Jianbo Chang and Qiwei Wei)**

08:45 – 10:45 hrs

- **Harald Rosenthal:** „Key issues on sturgeon conservation (a global overview)“
- **Mohammed Pourkazemi:** „Management options to support endangered sturgeon stocks in enclosed seas“
- **Patrick Williot:** „Brood stock management to secure reproduction for stock enhancement, aquaculture and ex situ conservation“
- **Jianbo Chang, Qiwei Wei, Jifang Yi, and Harald Rosenthal:** „Trend analysis on population structure and decline of Chinese sturgeon (*Acipenser sinensis*) after damming of the Yangtze River.“

Health break: 10:45 – 11:00 hours

Session 2: Genetic considerations in relation to man-made habitat changes

Chairperson Jianbo Chang:

11:00 – 12:45 hours

- **Leonardo Congiu and Francesco Fontana:** A review on genetic research and its importance for sturgeon conservation
- **Zhaojun Shao, Bin Zhu, Sovan Lek, Jianbo Chang:** Complex mutation at a microsatellite locus in sturgeons: *Acipenser sinensis*, *A. schrenckii*, *A. gueldenstaedtii*, and *A. baerii*.
- **Wang Deng-qiang, Wie Qi-wie, Young Zeng, Yao-lin Fang, Xi-hua Chen:** The complete mitochondrial genom sequences of Chinese paddlefish, *Psephurus gladius*
- **Zhao Na, Sebastien Brosse, Weiming Ai, Zhaojun Shao, Bin Zhu, Xin Gao, Jianbo Chang:** Genetic variation in spawning stocks of Chinese sturgeon *Acipenser sinensis* assessed by microsatellites.

Lunch break 12:45 – 13:30 hrs

Session 3: Field studies on sturgeons and conservation in China

Chairperson: Mohammad Pourkazemi

13:30 – 16:00 hours

- **Xin Gao and Jianbo Chang:** PVA (Population Viability Analysis) employed for Chinese sturgeon species.
- **Ye Qiao and Jianbo Chang:** Hydroacoustic survey of sturgeon spawning stocks below the Gezhouba Dam.
- **Qiwei Wei :** Natural reproduction of Chinese sturgeon during the past 23 years (after completion of the Gezhouba Dam).
- **Qiwei Wei:** Chinese paddlefish (*Psephurus gladius*) tracking in the Yangtze River: a first trial

Health break: 15:45 – 16:00 **health break**

Session 3 (continued): Field studies on sturgeons and conservation in China

Chairperson: Qiwei Wei

16:00 – 18:00 hrs

- **Yang De-guo, Wei Qi-wie, Wang Kai, Chen Xi-hua, Zhu Yong-jiu, Liu Jianyi, Li Luo-xin:** The restocking of yearling Chinese sturgeon (*Acipenser sinensis*) in the Yangtze River and their migration and distribution.

- **Ping Zhuang:** Natural reserve for Chinese sturgeon, *Acipenser sinensis*, in the Yangtze River estuary.
- **Ping Zhuang:** Ontogenetic behaviour and migration of Siberian sturgeon, *Acipenser baeri*

18:00 – 18:30 hrs

General discussion

Chairpersons : Jianbo Chang, Leonardo Congiu, Mohammad Pourkazemi, Wei Qi-wei

Day 2 , 25. August 2004

Session 4: Progress in Cultivating Chinese Sturgeons

Chairperson: Patrick Williot

08:30 – 10:45 hrs

- **Qiwei Wei :** Aquaculture of sturgeons in China: an overview
- **Yongjiu Zhu:** Key technologies for rearing larval and juvenile sturgeons in China
- **Leng Liu:** Study on sperm cryo-preservation of Chinese sturgeon (*Acipenser sinensis*) and application technology
- **Guopan Tang, Jianyi Liu, Qiwei Wei, Hao Du, Deguo Yang, Yongjiu Zhu:** Studies on Oxygen Consumption Rate of Embryos Chinese Sturgeon (*Acipenser sinensis*)
- **Hao Du, Qiwei Wei, Jianyi Liu, Guopan Tang, Deguo Yang, Yongjiu Zhu:** Effect of pH, ammonia, nitrite, phenol and copper on larvae of the Chinese sturgeon *Acipenser sinensis*

Health break 10:45 – 11:00 hrs

Session 4 (continued): Progress in Cultivating Chinese Sturgeons

Chairperson: Ping Zhuang

11:00 – 12:15 hrs

- **Yi Chai, Congxin Xie, Qiwei Wei:** The development of the histological structure of the retina in Chinese sturgeon (*Acipenser sinensis*) larvae.
- **Ping Zhuang:** Survival and growth related to initial feeding of Amur sturgeon (*Acipenser schrenckii*)
- **Dapeng Li and Ping Zhuang:** Serum thyroid hormone level and growth of Amur sturgeon, *Acipenser schrenckii*, cultured under different photoperiods.

12:15 – 12:30 hrs

General Discussion on Session 4

Chairpersons: Wei Qi-wei, Ping Zhuang, Patrick Williot, Jianbo Chang

Lunch break: 12:30 – 14:00 hrs

Session 5 : Discussion Forum on research and conservation needs in China

14:00 – 16:00 (Chairpersons: Jianbo Chang, Wei Qiwei, Harald Rosenthal)

Topics for the roundtable discussions:

- a) Research Needs in China on sturgeon conservation issues
- b) Potential measures for habitat improvement under damming conditions of Chinese rivers
- c) Culture and release: what is needed to make river stocking a successful undertaking ?
- d) potential involvement of the public (e.g. fishermen, local authorities, local people) in management schemes for sturgeon protection
- e) miscellaneous subjects (ideas put forward from the audience)

health break: 16:00 – 16:20 hrs

16:20 – 17:00 hrs

Concluding Session (chairs: Jianbo Chang, Harald Rosenthal, Qiwei Wei, Mohammad Pourkazemi, Patrick Williot)

- Conclusions and recommendations

- General discussion and preparation of Chinese manuscripts to be submitted to ISS5
- Closing of the Workshop