

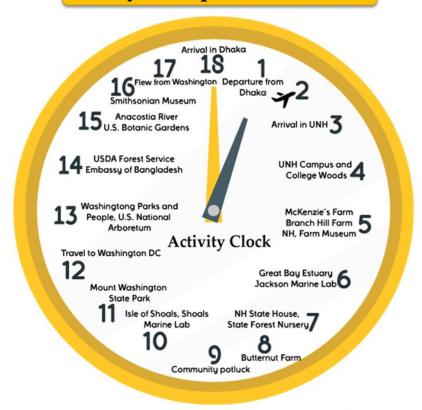
# Forestry and Climate Science Exchange Program 2023

Md. Sahinur Islam Fahim, Md Bayzid Hassan, Faria Erfana Hasan Shahjalal University of Science and Technology, Sylhet-3114





# Day-wise places visited



### **Major Topics**

#### **Sustainable Forest Management**

Places: UNH College Woods, Branch Hill Farm, White mountain national forest

Striking things:

- Integrated management system by engaging communities, academicians, govt. organizations and social institutions
- Adaptive management plans to accelerate forest productivity







#### **Marine Ecosystem**

Places: Great bay estuary, Jackson Marine Lab, and Shoals marine lab, Anacostia river

Striking things:

- Long-term environmental data recording to track climate change impacts on the ecosystem
- Problem-oriented research for finding solutions







### **Nursery Management**

Place: State forest nursery of New Hampshire

Striking thing:

 Technology-based nursery practice to gain the highest productivity and meet demand of the state







#### Farming system

Places: McKenzie's farm, Butternut farm, New Hampshire Farm Museum

Striking things:

- Providing recreation by "Pick your own" model as well as products selling
- Conserving history of farming system in NH to encourage the people about farming











#### **Plant Conservation**

Places: US National Arboretum, US Botanic Garden Striking things:

- The world's plant communities from different biomes
- Artificial habitat with different climatic conditions







#### Natural history

Place: Smithsonian National Museum of Natural History

Striking things:

• Evolution, extinction, behavioral ecology, and phylogenetic trees of different species







#### **Community Gardening**

Place: Marvin Gaye Community Greening Center

Striking things:

 Engaging the community through different programs such as enterprise training to the people, ParksArts program for cultural and educational perspective, a Heart & Soul program, and a Community Harvest program.







#### Formal meeting

Places: US Forest Service IP office, Embassy of Bangladesh Striking things:

Many NRM-related issues, potentiality, current conditions, future goals, and collaboration in facing the challenges in that case from both the USA and Bangladesh were discussed by NRM-related leaders from both countries.







## **Expectations VS Outcomes**



- Research regarding NRM, climate change
- Forest-relevant issues
- International education system

Expectations

- Exploration of diverse ecosystems
- Problem-oriented research
- Sustainable and adaptive forest management
- Strategies for combating climate change
- Interconnection of all stakeholders of NRM
- International experience of the University education system
- Respect towards cultural diversity



## **Personal Opinions**



These experiences will help in my future endeavor of dealing with any kinds of challenges with NRM as well as defining my career goals



"The program has opened my eyes to the possibilities of research and given me the motivation to use my skills to make a difference"



Thanks to this learning program, My heart is full of love and compassion for Mother Nature, which also helps discover my potential