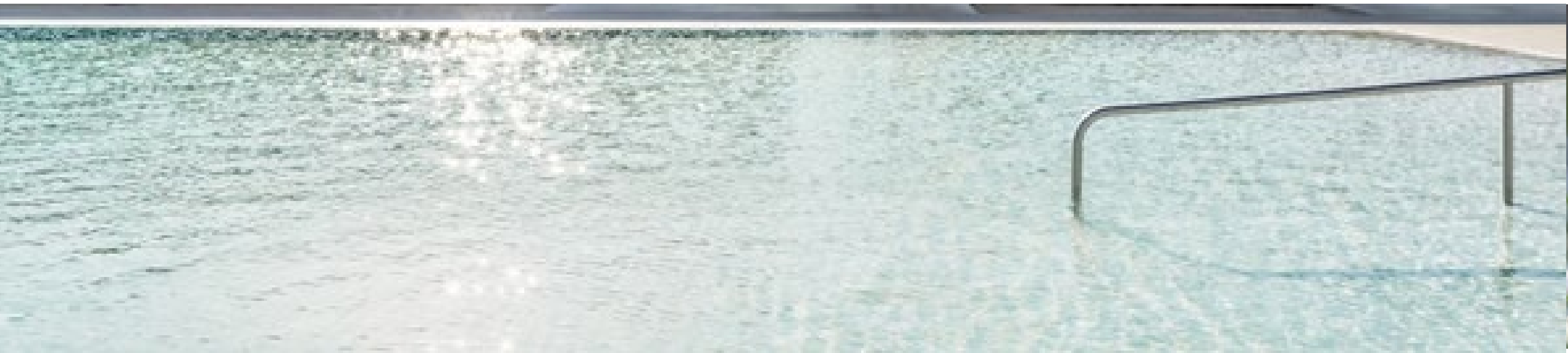


IOB - Certification for the operation of NSPs



Content

1. Why to start a certification process?
2. What would be certified?
3. Organic agriculture certification – a glance out of the bubble
4. Who would benefit?
5. 4 - step certification process
6. Comparison with other certificates
7. Next steps



Why to start a certification process?

Market situation

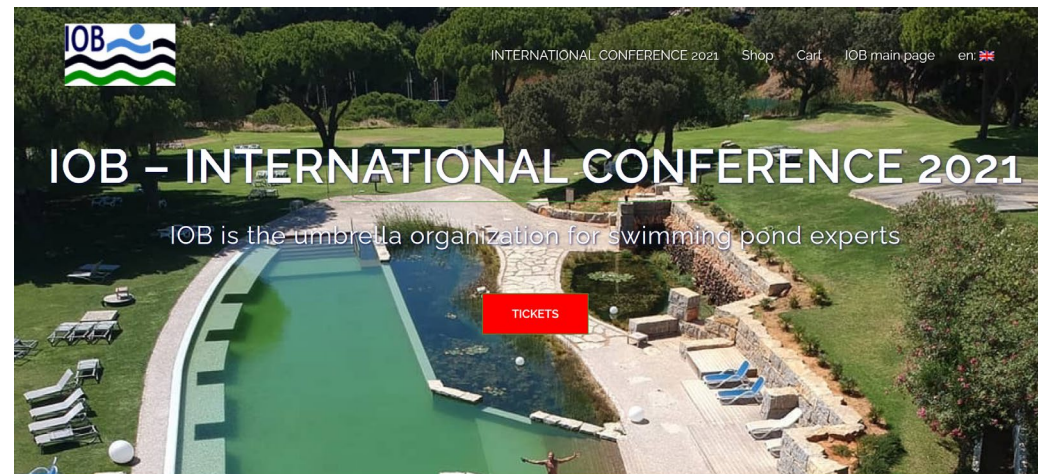
CERTIFICATION FOR THE OPERATION OF NSPs

- No uniform international definition for natural swimming pools
 - F.e.: Different chemical substances are used in „Biopools“ in France
- No uniform international education for employees → Mistakes are being made – often unintentionally



Situation at IOB

- Lot`s of expert knowledge on how to clean water biologically
- IOB Common essentials on what is an NSP



What would be certified?

Operation certification

- Operators of public and semi public NSPs
- Maintenance companies for public and private NSPs
- (Owners of private NSPs who want to expand their knowledge on the operation of their NSP)

1. The certified pool is operating according to the **common essentials of the IOB** (Nature based solutions, exclusive use of mechanical and biological purifying processes, no run off in the pool etc.)
2. The operator is receiving regular **education** about the operation of a natural pool (maintenance, operational documentation, allowed substances, limnology, guidelines etc.)
3. The **knowledge** of the pool staff is **tested** regularly
4. Optional yearly visit of an **IOB inspector** on site

Design certification

- Designers of NSPs

1. The certified designer is using only water treatment systems and building materials (CO2 + eco balance) according to the common essentials of the IOB
2. The designer is receiving regular **education** about water treatment systems and building materials
3. The **knowledge** of the designer is **tested** regularly
4. Optional design check of an **IOB inspector**

Organic agriculture - A glance out of the own bubble

Organic farming

Natural pools

Associations



National state institutions



International institutions



Who would benefit?



Bathers

- Guarantee for good biological water quality approved by an international organisation of specialists



Operators + Maintenance companies

- Trust from local authorities
- Internal quality control
- Staff education
- Advertisement for the pool



IOB

- Implementation of IOB statues and definitions in the operation of many NSPs



National and international regulations from authorities

- Possible basis for national and international regulations from authorities

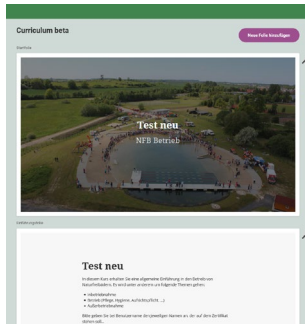
→ Establishing and preserving of high quality standards for NSPs

4 Step certification process

Demands:

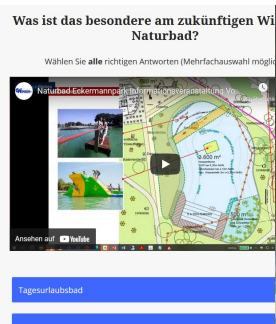
Easy to access | Easy to adapt to different languages | Easy to implement yearly changes | Low costs

→ ONLINE CERTIFICATION



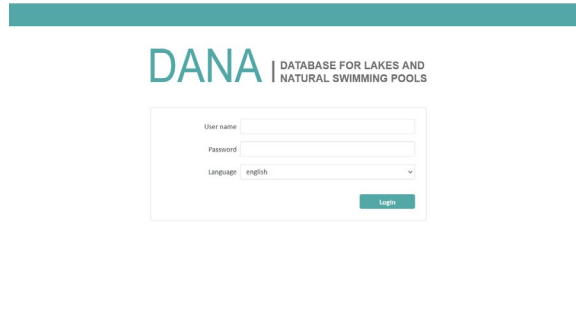
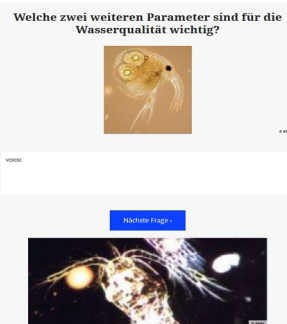
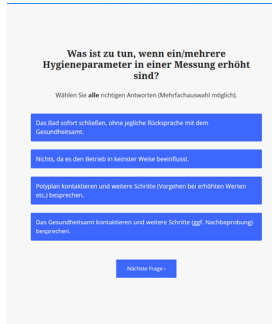
1. Education

- Online Class: NSP operation
- Platform: f.e. EASY LMS



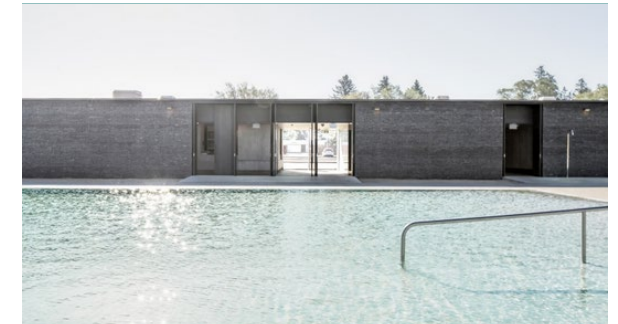
2. Testing

- Online test for all staff members of a pool /company
- Platform: f.e. EASY LMS



3. Online operation control

- Operational control (Maintenance and water quality tests) (for exa
- Platform: f.e. DANA 2.0



4. On site check

- Check by IOB inspector

IOB SILVER

IOB GOLD

IOB PLATIN

Comparison with other NSP certificates

To avoid overlappings certification will start outside Germany	IOB NSP operation certificate	DGfnB	
		IQN	Certificate course
Content	Education, Testing, self declaration and online check of quality standards (operation, maintenance, water quality)	Assesment of physical, chemical, biological und hygenical water quality	Certificate course 'Specialist for swimming pools with biological water treatment'
Pool Type	Public, semi public and private	Public and semi public	Public and semi public
Offline / Online	Online	Offline	Offline
Update frequency	Yearly	Yearly	Once – every few years
Available Countries	All IOB countries	Mainly Germany	Germany
Costs	Pool with 3 employees: aprox. 380€/a	> 4000€/a	?

Next steps

- Idea of certification came up on the last IOB congress
- Certification and a cost recover plan has been discussed with the board of the IOB since May this year: positive Feedback of the IOB board
- Your feedback to the IOB board
- Decision about / development of
 - Educational programm
 - Tests
 - Standards for online operation control
 - On site check standards
- Decision about /development of NSP design certification?

→ If you want to join this process – please get in touch! (kurzreuther@polyplan-kreikenbaum.eu)

THANK YOU FOR YOUR ATTENTION!