

Biodiversity – top priority or add on

Alma Skjold Knudsen: ask@vandcenter.dk

Anthropologist, VCS Denmark

The Danish water sector is working towards an understanding of what biodiversity means to us

ESRS-emner	Key words	Antal be- sva- relser	Væ- sentlig	Ikke- væ- sent- lig	Projekt anbefa- ling*
Biodiversity and ecosy- stems					
Direct impact drivers of biodiversity loss	klimaændringer, vandkvanti- tet og kvalitet, arealanven- delsen	1	0,5	0,5	Vurde- res in- dividu- elt
Impacts on the state of species	Bestandene af forskellige ar- ter og deres risiko for at uddø	1	0	1	Vurde- res in- dividu- elt
Impacts on the extent and condition of eco- systems	Omfanget og tilstanden af forskellige økosystemer	1	0	1	Vurde- res in- dividu- elt
Impacts and dependen- cies on ecosystem ser- vices	Afhængighed af økosystem- tjenester som f.eks. bestøv- ning	1	1	0	Vurde- res in- dividu- elt

(2024, danva.dk)

Picture biodiversity



“The variability among living organisms from all sources including, inter alia, terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are part; this includes diversity within species, between species and of ecosystems.” (UN Convention on Biological Diversity, 2010)

Functionality first

But...

Maintenance costs

Land as a scarce resource

In competition with conventional solutions



Out of sight...




Avoiding 'stupid decisions'

Tools for documentation


- Administration & other electricity use
- Building
- Water s
- WWTP
- Direct V

Holmehave


Multifunktionel arealanvendelse



HEDESELSKABET



- Transport and traveling
- overflow
- S
- (water protection)



(ku.dk)

Tools for decision making

F g n C Aæ Fc D/ pæ og fo

NbS	AHP+TOPSIS		EWM+TOPSIS		RM+TOPSIS	
	Ranking	Punctuation	Ranking	Punctuation	Ranking	Punctuation
Bioretention Area (I)	20	0,24433786	18	0,17640562	18	0,35107961
Bioretention Area (F)	18	0,25431083	19	0,16822253	19	0,35082435
Detention Basin	9	0,3611009	7	0,36480532	5	0,69392538
Detention Basin (SS)	4	0,39912688	9	0,3609275	7	0,68153924
Filter Strip	3	0,4071063	3	0,39627947	2	0,71317315
Filter Strip (Lined)	6	0,3938651	4	0,39396258	3	0,70603605
Green Roof	2	0,46962631	2	0,47147917	10	0,6370524
Green Wall	19	0,2525806	20	0,16805943	20	0,17752461
Infiltration Basin	5	0,39412613	10	0,36031703	6	0,68711455
Infiltration Basin (SS)	7	0,39163787	11	0,35647106	9	0,67509515
Dry Well	13	0,33031342	17	0,3182036	11	0,63473187
Infiltration Trench	12	0,34551033	12	0,35606529	8	0,67664392
Permeable Pavement (I)	10	0,35658945	13	0,33332474	14	0,55852195
Permeable Pavement (F)	11	0,34876181	14	0,32889126	15	0,55645588
Retention Pond	8	0,37069706	8	0,36186675	4	0,69822837
Swale	14	0,31641317	5	0,37711298	12	0,57297222
Swale (Lined)	15	0,30714728	6	0,37447286	13	0,56680183
Filter Drain	16	0,26836066	15	0,32410811	16	0,55209439
Filter Drain (Lined)	17	0,26027524	16	0,32197902	17	0,54558735
Wetland FWS	1	0,76140492	1	0,88753507	1	0,80739698

Figure 9. NBS Ranking Summary according to the three weighting methods considered.

FIGURE 3 Contribution to tot assignment approach used for rem were zero and are not shown in the



Rapporten er udarbejdet af Mette Toft Frederiksen, Kåre Würtz Sørensen og Lasse Stig Bossen, Mols Consulting, for HedeDanmark A/S.

Mols Consulting (2023)

safe operating space differs from default act scores for Land-system change—Boreal reporting Information S2

et, I. M et al. (2019)

Noter:
 Enkeltstående nye træers kronareal "år 0" er sat til 3 m²
 Enkeltstående nye træers kronareal "år 10" er sat til 30 m²
 Facadebeplantning er ansat til 0% i "år 0" og 100% i "år 10"



(D4RUNOFF, 2024)

(thegreencities.eu)

Demands capacity building and critical engagement

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