

# Assessment

## context

**a01. Provide the name(s) of the assessors:** unanswered

**a02. Provide the name of the organism under assessment:** Dikerogammarus villosus

**a03. Define the area under assessment:** Parco Adda Sud

**a04. The Organism is:** alien to, and established within The Area's wild

**a05. This assessment is considering potential impacts within the following domains:** the environmental domain

## introduction

**a06. The probability for The Organism to be introduced into The Area's wild by natural means is:**

Weight: 1	Answer: high	AValue: 1	Confidence: high	CValue: 1
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**a07. The probability for The Organism to be introduced into The Area's wild by unintentional human actions is:**

Weight: 1	Answer: high	AValue: 1	Confidence: high	CValue: 1
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**a08. The probability for The Organism to be introduced into The Area's wild by intentional human actions is:**

Weight: 1	Answer: low	AValue: 0	Confidence: high	CValue: 1
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## establishment

**a09. The Area provides ... climate for establishment of The Organism.**

Weight: 1	Answer: optimal	AValue: 1	Confidence: medium	CValue: 0.5
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**a10. The Area provides ... habitat for establishment of The Organism.**

Weight: 1	Answer: optimal	AValue: 1	Confidence: high	CValue: 1
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## spread

**a11. The Organism's capacity to disperse within The Area by natural means is:**

Weight: 1	Answer: high	AValue: 0.75	Confidence: high	CValue: 1
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**a12. The Organism's frequency of dispersal within The Area by human actions is:**

Weight: 1	Answer: medium	AValue: 0.5	Confidence: high	CValue: 1
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## environmental im.

**a13. The Organism has a(n) ... effect on native species, through predation, parasitism or herbivory:**

Weight: 1      Answer: low      AValue: 0      Confidence: high      CValue: 1

**a14. The Organism has a (...) effect on native species, through competition:**

Weight: 1      Answer: medium      AValue: 0.5      Confidence: high      CValue: 1

**a15. The Organism has a(n) (...) effect on native species, through interbreeding:**

Weight: 1      Answer: no / very low      AValue: 0      Confidence: high      CValue: 1

**a16. The Organism has a (...) effect on native species, by hosting pathogens or parasites that are harmful to them.**

Weight: 1      Answer: very low      AValue: 0      Confidence: unanswered      CValue: unanswered

**a17. The Organism has a (...) effect on ecosystem integrity, by affecting its abiotic properties.**

Weight: 1      Answer: low      AValue: 0      Confidence: high      CValue: 1

**a18. The Organism has a (...) effect on ecosystem integrity, by affecting its biotic properties.**

Weight: 1      Answer: low      AValue: 0      Confidence: unanswered      CValue: unanswered

## plant im.

**a19. The Organism has a(n) (...) effect on plant targets, through herbivory or parasitism.**

Weight: n/a      Answer: inapplicable      AValue: n/a      Confidence: unanswered      CValue: unanswered

**a20. The Organism has a(n) (...) effect on plant targets, through competition.**

Weight: n/a      Answer: inapplicable      AValue: n/a      Confidence: unanswered      CValue: unanswered

**a21. The Organism has a(n) (...) effect on plant targets, by interbreeding with related organisms or with the target itself.**

Weight: n/a      Answer: inapplicable      AValue: n/a      Confidence: unanswered      CValue: unanswered

**a22. The Organism has a (...) effect on plant targets, by affecting the cultivation system's integrity.**

Weight: n/a      Answer: unanswered      AValue: unanswered      Confidence: unanswered      CValue: unanswered

**a23. The Organism has a(n) (...) effect on plant targets, by hosting pathogens or parasites that are harmful to them:**

Weight: n/a      Answer: inapplicable      AValue: n/a      Confidence: unanswered      CValue: unanswered

## **animal im.**

**a24. The Organism has a(n) (...) effect on individual animal health or animal production, through predation or parasitism.**

Weight: 1      Answer: high      AValue: 0.75      Confidence: high      CValue: 1

**a25. The Organism has a (...) effect on individual animal health or animal production, by having properties that are hazardous upon contact.**

Weight: 1      Answer: very low      AValue: 0      Confidence: high      CValue: 1

**a26. The Organism has a(n) (...) effect on individual animal health or animal production, by hosting pathogens or parasites that are harmful to them.**

Weight: 1      Answer: very low      AValue: 0      Confidence: high      CValue: 1

## **human im.**

**a27. The Organism has a(n) (...) effect on human health, through parasitism.**

Weight: n/a      Answer: inapplicable      AValue: n/a      Confidence: unanswered      CValue: unanswered

**a28. The Organism has a (...) effect on human health, by having properties that are hazardous upon contact.**

Weight: n/a      Answer: unanswered      AValue: unanswered      Confidence: unanswered      CValue: unanswered

**a29. The Organism has a(n) (...) effect on the health of human targets, by hosting pathogens or parasites that are harmful to them.**

Weight: n/a      Answer: inapplicable      AValue: n/a      Confidence: unanswered      CValue: unanswered

## **other im.**

**a30. The Organism has a (...) effect on causing damage to infrastructure.**

Weight: 1      Answer: very low      AValue: 0      Confidence: high      CValue: 1

## **services**

**a31. The Organism has a (...) effect on provisioning services.**

Weight: None      Answer: neutral      AValue: 0.5      Confidence: high      CValue: 1

**a32. The Organism has a (...) effect on regulation and maintenance services.**

Weight: None      Answer: neutral      AValue: 0.5      Confidence: high      CValue: 1

**a33. The Organism has a (...) effect on cultural services.**

Weight: None      Answer: moderately negative      AValue: 0.25      Confidence: medium      CValue: 0.5

## climate

**a34. INTRODUCTION - Due to climate change, the risk for The Organism to overcome geographical barriers and -if applicable- subsequent barriers of captivity or cultivation will (...).**

Weight: None	Answer: decrease moderately	AValue: 0.25	Confidence: medium	CValue: 0.5
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**a35. ESTABLISHMENT - Due to climate change, the likelihood for The Organism to overcome survival & reproduction barriers will (...).**

Weight: None	Answer: not change	AValue: 0.5	Confidence: medium	CValue: 0.5
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**a36. SPREAD - Due to climate change, the risk of The Organism to overcome dispersal barriers & (new) environmental barriers within The Area will (...).**

Weight: None	Answer: not change	AValue: 0.5	Confidence: medium	CValue: 0.5
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**a37. IMPACTS: ENVIRONMENTAL TARGETS - Due to climate change, the consequences of The Organism on wild animals and plants, habitats and ecosystems will (...).**

Weight: None	Answer: not change	AValue: 0.5	Confidence: medium	CValue: 0.5
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**a38. IMPACTS: PLANT TARGETS - Due to climate change, the consequences of The Organism on cultivated plants (e.g. crops, pastures, horticultural stock) will (...).**

Weight: None	Answer: unanswered	AValue: unanswered	Confidence: unanswered	CValue: unanswered
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**a39. IMPACTS: ANIMAL TARGETS - Due to climate change, the consequences of The Organism on domesticated animals (e.g. production animals, companion animals) will (...).**

Weight: None	Answer: unanswered	AValue: unanswered	Confidence: unanswered	CValue: unanswered
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**a40. IMPACTS: HUMAN TARGETS - Due to climate change, the consequences of The Organism on humans will (...).**

Weight: None	Answer: unanswered	AValue: unanswered	Confidence: unanswered	CValue: unanswered
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**a41. IMPACTS: OTHER TARGETS - Due to climate change, the consequences of The Organism on targets not considered in previous modules will (...).**

Weight: None	Answer: unanswered	AValue: unanswered	Confidence: unanswered	CValue: unanswered
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# Summary

Module	Score	Aggregation method	Weight	Confidence
introduction score	0.667	arithmetic	1	1.0
establishment score	1.0	arithmetic	1	0.75
spread score	0.625	arithmetic	1	1.0
environmental im. score	0.083	arithmetic	1	0.667
plant im. score	n/a	arithmetic	1	n/a
animal im. score	0.25	arithmetic	1	1.0
human im. score	n/a	arithmetic	1	n/a
other im. score	0.0	arithmetic	1	1.0
invasion	0.747	geometric		
impact	0.250	maximum		
overall risk score	0.187			