

# 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

**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

**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

**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

**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

**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

**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

**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

# Summary

<b>Module</b>	<b>Score</b>	<b>Aggregation method</b>	<b>Weight</b>	<b>Confidence</b>
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 impact	0.747 0.250	geometric maximum		
overall risk score	0.187			