1. Buyer

1.1 Buyer

Official name:	Rijksuniversiteit Groningen
Legal type of the buyer:	Body governed by public law
Activity of the contracting authority:	Education

2. Procedure

2.1 Procedure

Title:	Market consultation 4-parallel reactor unit
Description:	The University of Groningen (hereinafter: the UG) intends to purchase a new high-throughput fixed-bed reactor unit for the catalytic conversion of CO2, CO and H2 to chemicals and fuels. The unit must support applications including reverse water gas shift, methanol synthesis, dimethyl ether synthesis, and Fischer–Tropsch synthesis. It must comprise four parallel reactors capable of operating over a wide range of temperatures, pressures, and flow rates under isothermal and isobaric conditions. The system must incorporate comprehensive safety features, including gas leak detection and automated shutdown protocols, and must be suitable for safe unattended 24/7 operation. Critically, the unit must be supplied with integrated software for process control and data analytics, specifically designed for high-throughput reactor systems and enabling seamless integration of online and offline data. After careful market research focusing on the requirements, the UG has come to the conclusion that Avantium is the single supplier that can deliver the 4-parallel reactor unit with all the necessary technical features as described in this document. If there are parties who can meet the requirements mentioned in this document as well, please respond to this market consultation before 13 May 2026.
Procedure identifier:	8b106dc7-14ee-45c0-bedd-f546270d8a6f
Internal identifier:	c2a89f98-b9ad-487b-be2b-972f8fb24138
Type of procedure:	Negotiated with prior publication of a call for competition / competitive with negotiation

2.1.1 Purpose

Main nature of the contract:	Supplies
Main classification (cpv):	38000000 Laboratory, optical and precision equipments (excl. glasses)

2.1.2 Place of performance

Country:	Netherlands

Anywhere in the given country

Additional information:	See documentation

2.1.3 Value

Estimated value excluding VAT:	350 000 Euro

2.1.4 General information

Legal basis:

Rijksoverheid

Directive 2014/24/EU

2.1.6 Grounds for exclusion

Sources of grounds for exclusion:	Procurement Document

5. Lot

5.1 Lot technical ID: LOT-0000

Title:	Market consultation 4-parallel reactor unit
Description:	The University of Groningen (hereinafter: the UG) intends to purchase a new high-throughput fixed-bed reactor unit for the catalytic conversion of CO2, CO and H2 to chemicals and fuels. The unit must support applications including reverse water gas shift, methanol synthesis, dimethyl ether synthesis, and Fischer–Tropsch synthesis. It must comprise four parallel reactors capable of operating over a wide range of temperatures, pressures, and flow rates under isothermal and isobaric conditions. The system must incorporate comprehensive safety features, including gas leak detection and automated shutdown protocols, and must be suitable for safe unattended 24/7 operation. Critically, the unit must be supplied with integrated software for process control and data analytics, specifically designed for high-throughput reactor systems and enabling seamless integration of online and offline data. After careful market research focusing on the requirements, the UG has come to the conclusion that Avantium is the single supplier that can deliver the 4-parallel reactor unit with all the necessary technical features as described in this document. If there are parties who can meet the requirements mentioned in this document as well, please respond to this market consultation before 13 May 2026.
Internal identifier:	0ae2b70f-4ae5-4360-8480-9c402eee53ca

5.1.1 Purpose

Main nature of the contract:	Supplies
Main classification (cpv):	38000000 Laboratory, optical and precision equipments (excl. glasses)

5.1.2 Place of performance

Country:	Netherlands

Anywhere in the given country

Additional information:	See documentation

5.1.3 Estimated duration

Other duration:	Unknown

5.1.5 Value

Estimated value excluding VAT:	350 000 Euro

5.1.6 General information

Reserved participation :	Participation is not reserved.

Procurement Project fully or partially financed with EU Funds.

The procurement is covered by	

Rijksoverheid

the Government Procurement Agreement (GPA):	yes

5.1.9 Selection criteria

Sources of selection criteria:	Procurement Document

5.1.11 Procurement documents

Address of the procurement documents:	https://s2c.mercell.com/today/208332

5.1.12 Terms of procurement

Terms of submission:

Electronic submission:	Allowed
Address for submission:	https://s2c.mercell.com/today/208332
Languages in which tenders or requests to participate may be submitted:	English
Deadline for receipt of expressions of interest:	12/05/2026 22:00 +00:00

Terms of contract:

The execution of the contract must be performed within the framework of sheltered employment programmes:	No

5.1.15 Techniques

Framework agreement:

No framework agreement

Information about the dynamic purchasing system:

No dynamic purchase system

5.1.16 Further information, mediation and review

Review organisation:	Rechtbank Groningen

Information

Rijksoverheid

about review deadlines:	See market consultation document.
Organisation providing additional information about the procurement procedure:	Rijksuniversiteit Groningen
Organisation providing more information on the review procedures:	Rechtbank Groningen

8. Organisations

8.1 ORG-0001

Official name :	Rijksuniversiteit Groningen
Registration number:	01179037
Postal address:	Broerstraat 5
Town:	Groningen
Postcode:	9712CP
Country subdivision (NUTS):	Overig Groningen (NL115)
Country:	Netherlands
Contact point :	Anouk Wevers
Email:	a.a.wevers@rug.nl
Telephone:	+316 31982973
Internet address:	https://www.rug.nl

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

8.1 ORG-0002

Official name :	Rechtbank Groningen
Registration number:	82950385
Department:	Rechtbank
Postal address:	Guyotplein 1
Town:	Groningen
Postcode:	9712NX
Country subdivision	Overig Groningen (NL115)

Rijksoverheid

(NUTS):	
Country:	Netherlands
Contact point:	nvt
Email:	info.rechtbanknoordnederland@rechtspraak.nl
Telephone:	+310883614444
Fax:	+310883614444
Internet address:	https://www.rechtspraak.nl/Organisatie-en-contact/Organisatie/Rechtbanken/Rechtbank-Noord-Nederland
Information exchange endpoint (URL):	https://www.rechtspraak.nl/Organisatie-en-contact/Organisatie/Rechtbanken/Rechtbank-Noord-Nederland

Roles of this organisation:

Review organisation

Organisation providing more information on the review procedures

Notice information

Notice identifier /version:	cf04d78c-a111-4f1f-9a0a-2fcafaaf149e - 01
Form type:	Competition
Notice type:	Prior information notice or a periodic indicative notice used as a call for competition – standard regime
Notice dispatch date:	16/04/2026 08:30 +00:00
Notice dispatch date (eSender):	16/04/2026 08:32 +00:00
Languages in which this notice is officially available:	English

Rijksoverheid