

SERIE 1

- Il candidat* descriva quelle che ritenga essere le più rilevanti attività condotte durante la propria esperienza formativa/lavorativa con riferimento alle tematiche del bando.
- Il candidat* traduca il seguente brano tratto dal documento ICOS RI (2020): ICOS Atmosphere Station Specifications V2.0 (editor: O. Laurent). ICOS ERIC. <https://doi.org/10.18160/GK28-2188> (1.1. General objectives): “Over the last decade, the ICOS community has evolved from a situation where GHG atmospheric measurements were done by more than fifteen laboratories over Europe with their own procedures, using scientific project funding, to a situation where procedures are harmonized and funding is better secured over the long term due to the establishment of a dedicated international legal structure: the ICOS ERIC whose members are committed member states within Europe. High precision, long term, compatibility and traceability are key aspects of the ICOS atmospheric measurement”

SERIE 2

- Il candidat*, facendo riferimento alla sua esperienza formativa e lavorativa, discuta il proprio possibile contributo riguardo le tematiche del bando.
- Il candidat* traduca il seguente brano tratto dal documento ICOS RI (2020): ICOS Atmosphere Station Specifications V2.0 (editor: O. Laurent). ICOS ERIC. <https://doi.org/10.18160/GK28-2188> (1.2.2.Data compatibility): “In order to allow for a good interpretation of global or continental scale atmospheric data from different stations and networks, an essential component for atmospheric transport model inversion studies, the WMO sets the compatibility goal for measurement of the major greenhouse gases and related tracers in the GAW report n° 255 (WMO, 2020). These WMO recommendations, updated every two years by a panel of international experts, are summarized in the following table (cf. Table 1). ICOS targets the same compatibility goal within its own monitoring network as well as with the international networks, however over an extended concentration range.”

SERIE 3

- Il candidat* descriva il possibile utilizzo nell’ambito delle tematiche del bando delle principali metodiche (sia sperimentali che riguardante l’analisi dati) che ha potuto utilizzare nell’ambito della sua esperienza formativa e lavorativa.
- Il candidat* traduca il seguente brano tratto dal documento ICOS RI (2020): ICOS Atmosphere Station Specifications V2.0 (editor: O. Laurent). ICOS ERIC. <https://doi.org/10.18160/GK28-2188> (1.3. Network design). “In order to achieve the main objective of the atmospheric network, i.e. providing maximum constraints to determine surface-atmosphere exchange fluxes, the ICOS atmospheric network needs to be carefully designed in terms of station locations. When atmospheric station data are used in inverse transport modelling (or data assimilation) to retrieve regional scale GHG budgets, the main aim is to reduce the uncertainty of the surface-atmosphere flux for targeted spatial and temporal scale, e.g. annually integrated fluxes at national scales.”

SERIE 4

- Il candidat* descriva quello che, a sua opinione, rappresenta il risultato più importante o rappresentativo ottenuto nel corso della sua esperienza formativa e lavorativa.
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SERIE 5

- Il candidat* descriva quella che ritiene essere la sfida tecnologica o scientifica più impegnativa con la quale ha dovuto confrontarsi durante la propria esperienza formativa/lavorativa.
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SERIE 6

- Il candidat*, facendo riferimento alla sua esperienza formativa e lavorativa, discuta il proprio possibile contributo riguardo le tematiche del bando.
- Il candidat* traduca il seguente brano tratto dal documento ICOS RI (2020): ICOS Atmosphere Station Specifications V2.0 (editor: O. Laurent). ICOS ERIC. <https://doi.org/10.18160/GK28-2188> (2.2.1.2. Analyzer selection meeting requirements): “The ICOS ATC Metrology Lab is in charge of evaluation of the continuous gas analyzers available on the market and has made a list of instruments (cf. Table 4) compliant to ICOS requirements (cf. Section 2.2.1.1). This selection is based on the results of lab and field tests discussed during annual ICOS MSA. The update of this ICOS compliant analyzer list will be regularly

discussed and validated during the MSA. ICOS Atmosphere Stations must be equipped with instruments compliant with Section 2.2.1.1. Such suitable analyzers are listed in the Table 4, which measure the mandatory species required by their ICOS station Class”

SERIE 7

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SERIE 8

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SERIE 9

- Il candidat* descriva il possibile utilizzo, nell’ambito delle tematiche del bando, delle principali metodiche (sia sperimentali che riguardante l’analisi dati) che ha potuto utilizzare nell’ambito della sua esperienza formativa e lavorativa.
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flask sampler, which will allow pre-defined sampling during suitable atmospheric conditions (cf. 3.1). Currently, the only accepted automatic flask sampler meeting the ICOS requirements is the automatic flask sampler designed and constructed at the Max Planck Institute for Biogeochemistry (MPI-BGC), available from the CAL FCL.”

SERIE 10

- Il candidat* descriva quella che ritiene essere la sfida tecnologica o scientifica più impegnativa con la quale ha dovuto confrontarsi durante la propria esperienza formativa/lavorativa.
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SERIE 11

- Il candidat* descriva il possibile utilizzo, nell’ambito delle tematiche del bando, delle principali metodiche (sia sperimentali che riguardante l’analisi dati) che ha potuto utilizzare nell’ambito della sua esperienza formativa e lavorativa.
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SERIE 12

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SERIE 13

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