



Proficiency Testing Schemes in support to International Trade



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BIPEA



**Protein Content
calculated by the buyer's
laboratory**

11,6%

%

**Protein Content Calculated
by the Buyer's laboratory**

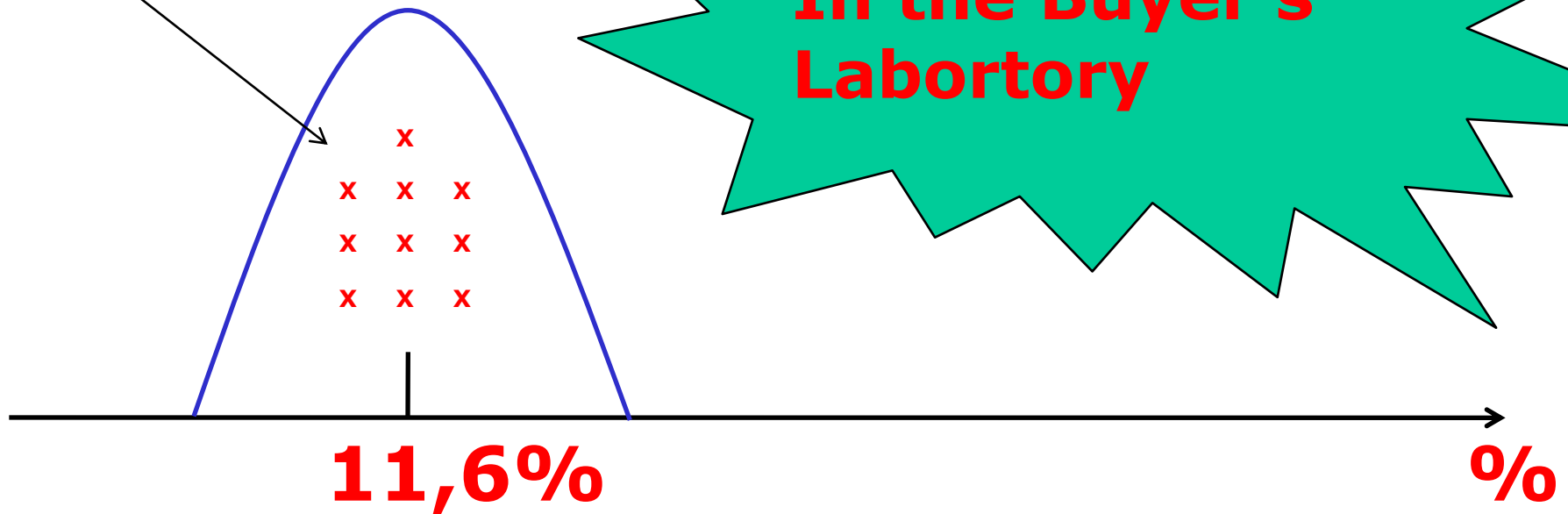
**Protein content
calculated by the
Vendor's laboratory**

11,6%

12,5%

%

**10 repetitions
of the
measurement**



**In the Vendor's
Laboratory**

**10 repetitions
of the
measurement**

x
x x x
x x x
x x x

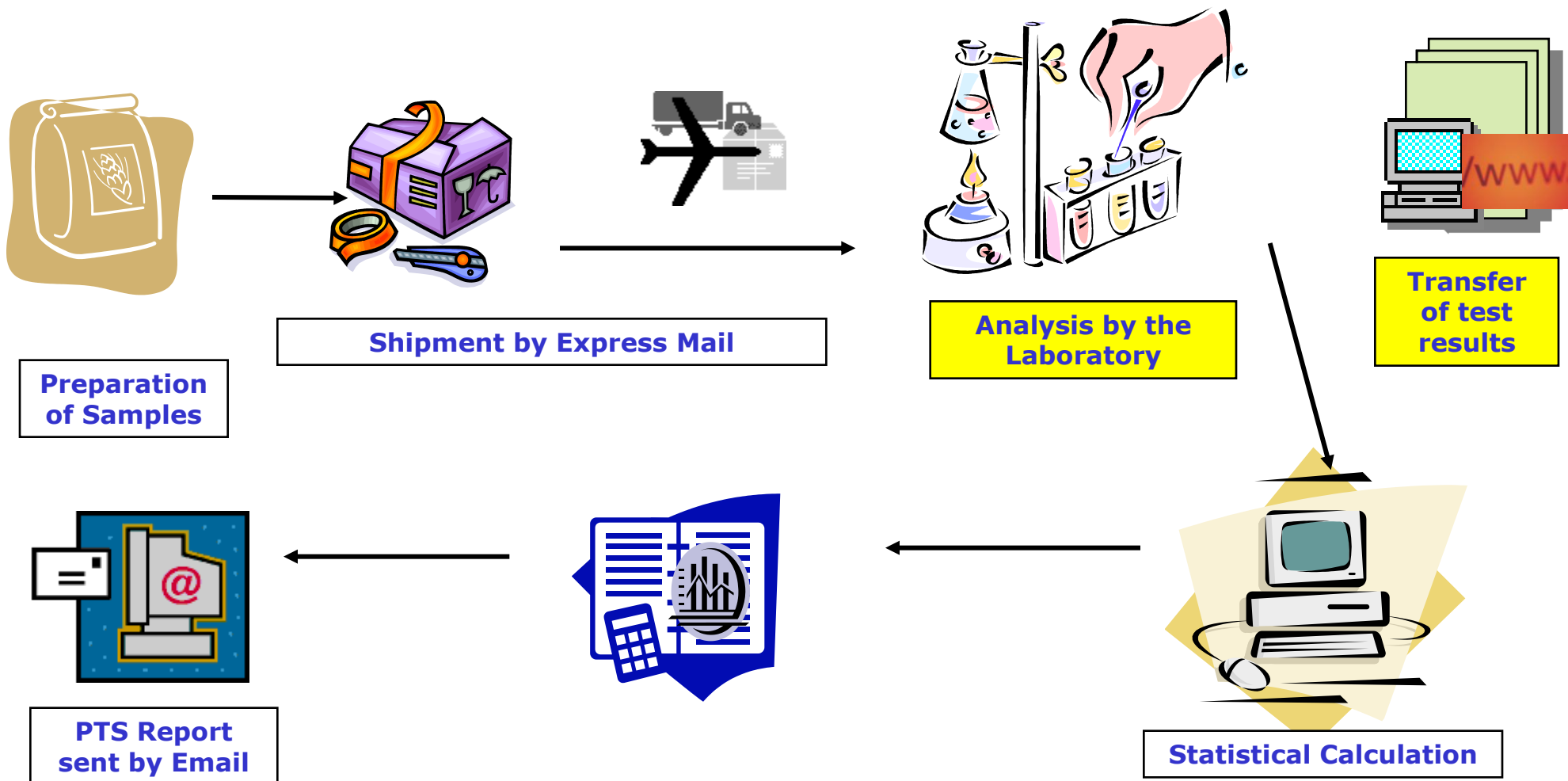
12,5%

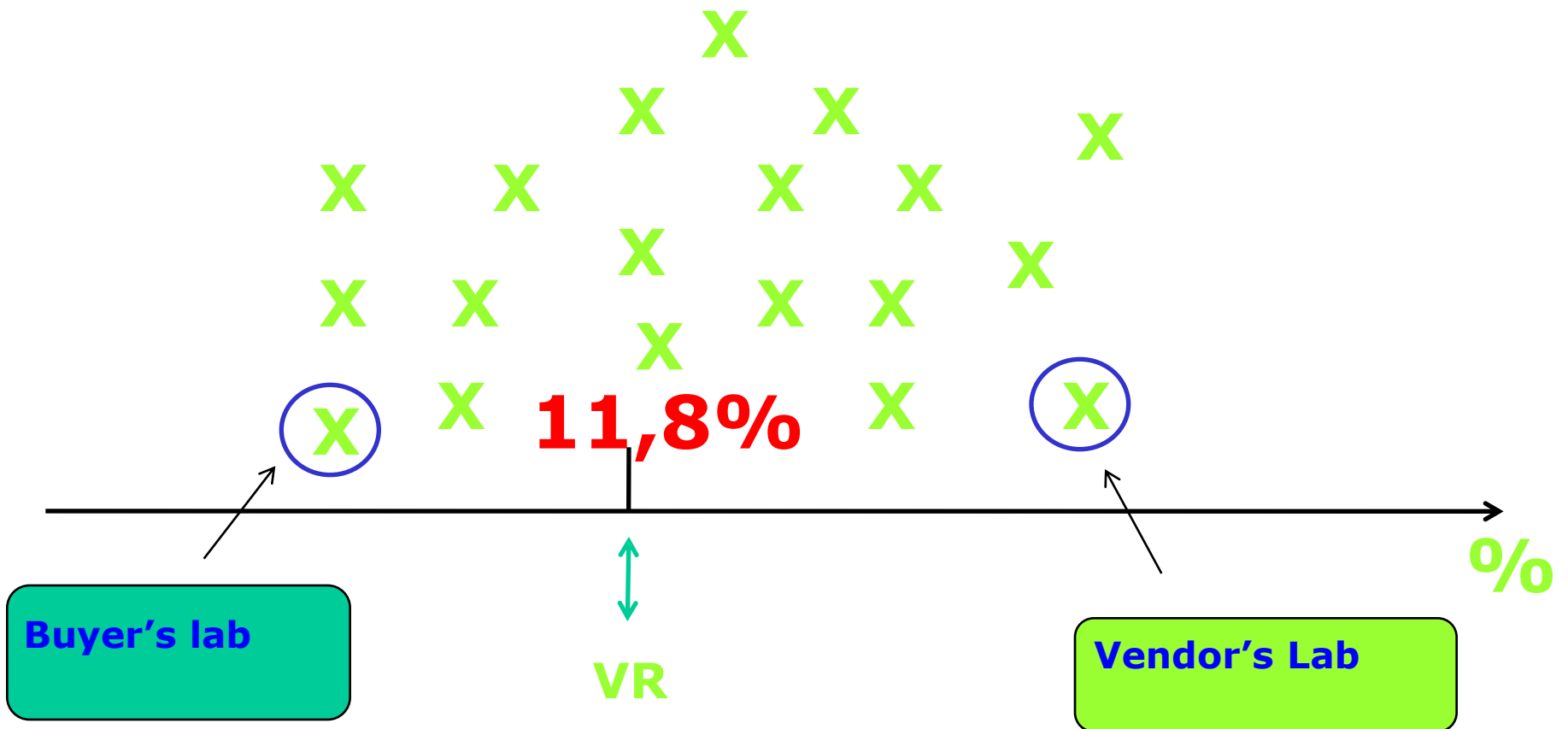
%

**In the meantime, the
grains are still waiting...**

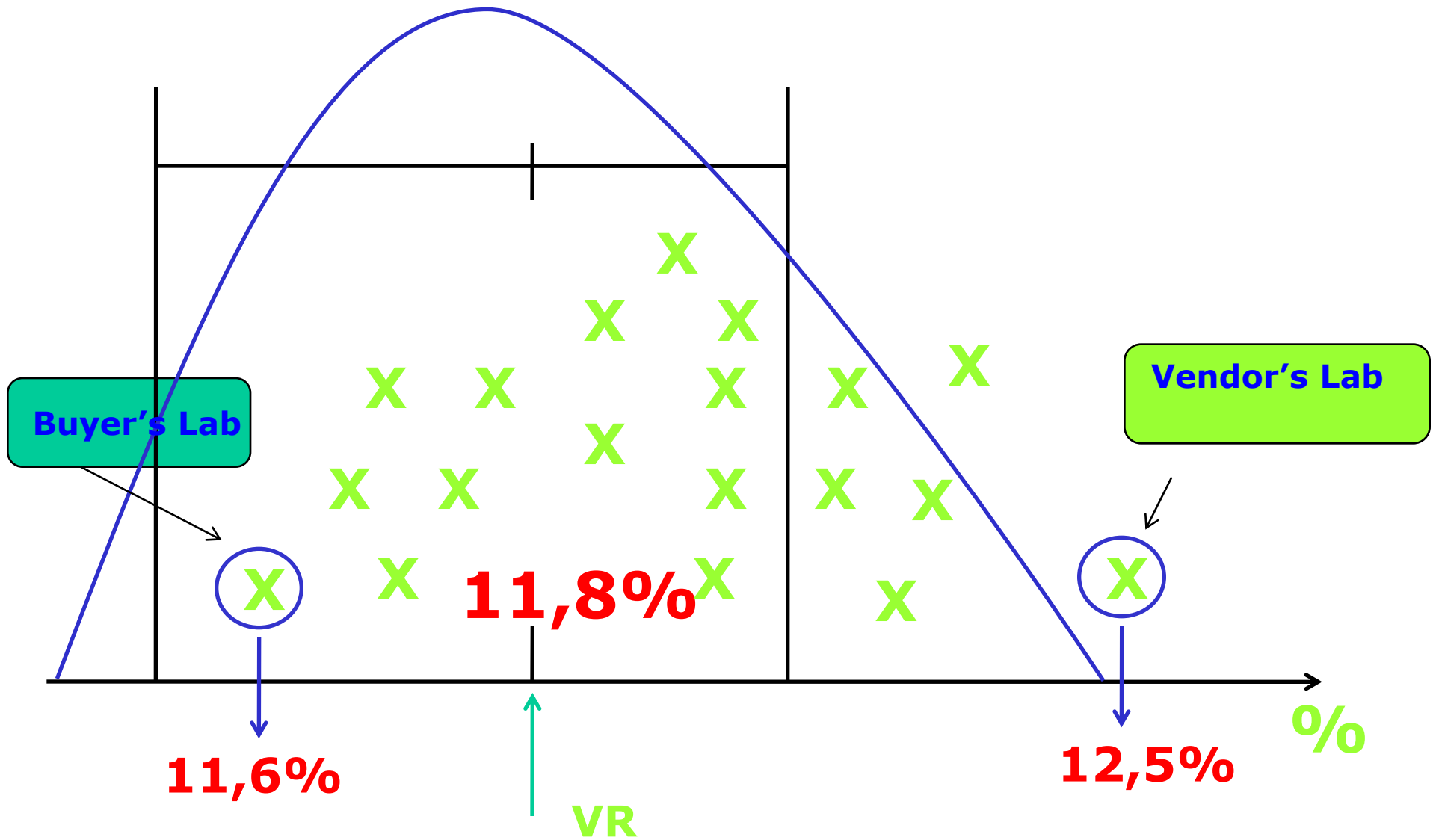


Organization of PTSchemes in BIPEA





Tolerance



BIPEA Solutions for the Grain and Milling Industry

- **The possibility to confront test results of laboratories in 60 different countries every month**
- **An unavoidable service in support to the quality system of the testing laboratories**
- **A comparison organized by a non-profit association, ensuring independency and respect of confidentiality**
- **The possibility for a testing laboratory to receive every month a accuracy shart detaillling its bias, determined by an independent third-party**
- **40 years of experience in the Grain Sector and the Milling Industry**

BIPEA PTS for the Cereal and Milling Industry

- **Soft and hard wheat, Durum wheat, Barley, Semolina, Oilseeds**
- **Determination of impurities, Humidity content in grains, Presence of GMO's, Filth-test**
- **Mycotoxins**
- **Animal Feed, forages, premix, ensilages**
- **Pesticides in Cereals**
- **Flour (Alveograph, Farinograph, Reofermentometer)**
- **Microbiology in fresh flour**
- **Breadmaking tests**

Bipea Mission Statement

- **To create the best Proficiency Testing Schemes for our members at the best price**
- **To organize in-house all elements of the PTS : manufacture of samples, shipment of samples and statistical treatment;**
- **To promote a higher level of quality for the analysis of testing laboratories**
- **To serve the Community for the fields of interest for which we organize PTS :**
 - Support to standardization
 - To support scientific research
- **To serve our Members both in French and in English**

Vision related to Proficiency Testing Schemes

- **To create samples that are as close as possible to real samples as used by the laboratories.**
- **To promote a quality-focused challenging statistical treatment**
 - Reference value with a tolerance fixed in advance
 - Z-scores are given as an additional information
- **To follow a strict traceability system related to the shipping and handling of samples**
- **To organize regular (monthly or tri-monthly) PTS to ensure a continuous checking of the performance of the testing laboratories**

Thank you for your Attention

Baaie dankie vir u aandag !

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