



## COMMUNIQUE DE PRESSE

### **Derniers jours pour s'enregistrer au concours 'Farming by Satellite' et peut-être gagner 10000€**

Les étudiants et les jeunes agriculteurs ont jusqu'au 16 novembre pour s'enregistrer à ce nouveau concours d'un prix de 10000€. Plus de 30 enregistrements de 16 pays européens différents ont été reçus pour le moment et les organisateurs encouragent les potentiels nouveaux candidats à s'enregistrer au plus vite.

L'objectif de ce concours est de promouvoir l'usage de la navigation par satellite en agriculture et ces bénéfices pour les utilisateurs. De nouvelles idées et innovations, particulièrement celles utilisant EGNOS (système européen de navigation par recouvrement géostationnaire) ou le futur système Galileo peuvent être présentées individuellement ou par équipe (Il faut être âgés de moins de 32 ans)

Les propositions peuvent se baser sur tout type de satellites améliorant l'agriculture partout en Europe. L'inscription est gratuite. Et les organisateurs sont particulièrement intéressés à recevoir des applications sur des types de fermes et des lieux où la navigation par satellites n'est pas encore couramment utilisée.

L'intégralité des détails sur le concours est disponible sur [www.farmingbysatellite.eu](http://www.farmingbysatellite.eu) ou par Facebook [www.facebook.com/farmingbysatellite](http://www.facebook.com/farmingbysatellite). Un premier enregistrement doit s'effectuer avant le 16 novembre. Un dossier complet suivra et devra être complété au plus tard pour le 31 décembre 2012.

## **Notes aux rédacteurs**

**Le prix est une initiative de l'agence européenne du GNSS (GSA), l'agence européenne responsable pour les activités européennes de navigation par satellite. Il est sponsorisé par CLAAS, fabricant d'équipement agricole et par Bayer CropScience, expert dans la protection des cultures agricoles.**

**La GSA a nommé le cabinet de conseil britannique Helios pour organiser le prix "Farming by satellite ». Pour plus d'information concernant le concours, contacter Andrea King ou Laurette Royer au +44 (0) 1252 451 651 ou par email: [info@farmingbysatellite.eu](mailto:info@farmingbysatellite.eu)**

### **A propos de la GSA:**

La GSA, agence de l'Union européenne, travaille avec la Commission européenne sur le développement des activités entrepreneuriales et commerciales liées à EGNOS et Galileo. Des telles actions de valorisation permettent à l'industrie européenne de conserver un avantage concurrentiel sur le marché mondial de la navigation par satellite.

Pour plus d'information concernant la GSA, contacter [Marie.Menard@gsa.europa.eu](mailto:Marie.Menard@gsa.europa.eu)

### **About the Prize**

The competition will promote the use of the Global Navigation Satellite System (GNSS) in agriculture and its benefit to end users. Entries must therefore clearly demonstrate how the use of GNSS is either a) already realizing significant benefits to users or b) could enable new innovative services in the near future. Particular attention should be paid to the additional value offered by EGNOS in providing a free-to-air higher accuracy augmentation to GPS and the new GALILEO satellite service. Note also that EGNOS is being extended eastwards towards central Europe in 2012.

### **Types of entry**

Entries may take any of the following forms:

1. Success stories of the application of GNSS and Precision Agriculture (PA) or related ideas and innovations in different countries and farm types. These could include one or more of the following:
  - i. Crops
  - ii. Field scale vegetables
  - iii. Livestock
  - iv. Logistics for agriculture
  - v. Telematics for agriculture
  - vi. Mobile Solutions/Egnos based Apps for agriculture
  - vii. Egnos/Galileo based case studies and/or business models relating to agriculture
2. Technical proposals for equipment/software/systems applied to different crops/farm types. You can propose a new product or products, describe their production and use and potential results.

3. Applications for small farms and/or cooperative groups. This approach would involve simplified applications of GNSS and PA to farm situations with limited size and resources.
4. Wide area application of GNSS. This approach would involve mapping exercises using GIS (using ArcView or open source software). Using country data, the report would show where the technology can be applied to different farm types and predict changes in production and market supply, together with changing revenue and incomes. Data can be obtained from FAOSTAT and other sources.

Entries must be submitted in electronic format. All entries must be presented in English or (in the case of video entries) with English subtitles. All entries must include:

- a. A full description (maximum 5,000 words) written in MS Word or Open Office Writer.

The following additional formats are encouraged. Select the format that best supports your prize idea:

- b. A short video (maximum 15 minutes) demonstrating the idea and incorporating: dialogue and/or field footage and/or computer screen recording (.MP4 or .FLV).
- c. An MS Powerpoint or Open Office Impress slideshow.
- d. A computer model (using MS Excel or Open Office Calc) to predict yield and profit responses to different fertilizer, chemical and water inputs. Calculations and dose-response curves in different situations with different levels and prices. A linear programming calculation of optimum inputs and outputs.

The entry should be supported by references and justification for values used.

### **Who is eligible?**

The competition is open to all students and young people below the age of 32 studying or resident in any of the following countries: Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Latvia, Lichtenstein, Lithuania, Luxembourg, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### **About EGNOS and precision farming:**

EGNOS (European Geostationary Navigation Overlay Service) is essentially Europe's 'pre-GALILEO' system, its first concrete venture into satellite navigation. EGNOS is to deliver services based on GPS and GLONASS signals, providing augmentation signals re-transmitted by geostationary satellites and a network of ground stations.

EGNOS augments the available satellite systems, increasing accuracy from several meters to meter-precision absolute resp. 15-30cm path to path accuracy.

Efficient and sustainable farming solutions are needed now more than ever, as competition in the agriculture industry continues to increase and production costs have to be considered very carefully.

Precision agriculture is a highly effective farming strategy that allows farmers to allocate inputs better (e.g. seeds and fertilisers) and to increase productivity, while lowering costs and minimising environmental impact. Traditionally, the main obstacle to wide scale application of precision agriculture has been the substantial investment in equipment and services necessary to implement these methods and to obtain concrete results. Now, the EGNOS Open Service has fundamentally changed the equation by offering high precision at low cost.

The main advantages of GNSS technologies in agriculture include accuracy (higher than what a human alone can achieve) and repeatability of the same action year after year, thanks to the ability to record data. These two fundamental advantages lead, in turn, to valuable benefits from the farmer's perspective:

- Reduction of waste and over-application of fertilisers and herbicides;
- Reduced seed consumption;
- Fuel savings;
- Time savings;
- Reduced fatigue;
- Extended equipment life due to an optimised usage;
- Optimisation of crop yields.