



Novi trendovi uzorkovanja hrane u EU: mlijeko i mliječni proizvodi

Predstavljanje rezultata projekta BASELINE radni paket WP3

**Rezultati BASELINE projekta: web stranica
za proizvođače i kako ju koristiti
(BASP)**

Tomislav Mikuš, dr.med.vet,

Osijek , 19. srpnja 2013





BASELINE

SELECTION AND IMPROVING OF FIT-FOR-PURPOSE SAMPLING PROCEDURES FOR SPECIFIC FOODS AND RISKS

- *Food Safety Objectives* (FSO) i *Performance Objectives* (PO) relativno su novi pojmovi u popunjavanju postojećih mikrobioloških kriterija i *Maximum Residue Limits* (MRL) za mnoge kemijske rizike.
- Kako bismo došli do FSO i PO bilo je potrebno harmonizirati načine uzorkovanja koji se provode na području sigurnosti hrane na razini EU.



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- Glavni cilj projekta je omogućiti stvaranje harmoniziranih i validiranih metoda i strategija uzorkovanja, strukturiranih kao International standard (ex. ISO), kao podršku Europskoj politici u području sigurnosti hrane.
- Te metode trebaju odgovarati i proizvođačima hrane, na način da se podatci sakupljeni uzorkovanjem mogu iskoristiti za unapređivanje kvantitativnih analiza rizika određenih bioloških i kemijskih rizika u hrani.



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- Glavni benefit projekta je generiranje novih spoznaja vezanih za planove uzorkovanja te procjenu rizika koristeći se matematičkim pristupom za različite skupine prehrambenih proizvoda – u našem slučaju mlijeka i proizvoda od mlijeka.
- Projekt će također rezultirati preporukama za EC i krajnje korisnike, a te će preporuke (tzv. bijela knjiga) imati značajan utjecaj na razvoj zaštite hrane, BASELINE SELECTION AND IMPROVING OF FIT-FOR-PURPOSE SAMPLING PROCEDURES FOR SPECIFIC FOODS AND RISKS



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- Specifični ciljevi projekta su:
 1. *To review the sampling schemes currently available for food authorities and food producers to perform food safety quantitative risk assessment in a European level*
 2. *To assess the relevance and suitable limit values of POs and FSOs for biological and chemical risks*
 3. *To evaluate the need for new or adapted methods for sampling and testing of the risk factors identified, suitable to produce data for risk analysis*
 4. *To develop predictive mathematical models for biological risks and investigate and model sources and pathways of chemical contaminants to improve sampling schemes*
 5. *To validate and harmonise the sampling schemes developed in the project and alternative detection methods*
 6. *To share and disseminate the scientific knowledge deriving from the project to stakeholders*



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SELECTION AND IMPROVING OF FIT-FOR-PURPOSE SAMPLING PROCEDURES FOR SPECIFIC FOODS AND RISKS

Food Safety Objectives (FSO) and Performance Objectives (PO) are new criteria complementing the existing concepts of microbiological criteria and MRL for many chemical contaminants. However, to achieve these, it is of critical importance to harmonise food safety control procedures.

The overall objective of the BASELINE project is to provide harmonised and validated sampling strategies, structured as International standard (ex. ISO), to support the European policies in food safety and to be suitable for food producers, in order to collect comparable data to improve quantitative risk analysis of selected biological and chemical agents.

The major output of the project is to generate new knowledge on sampling schemes for risk assessment by using a mathematical approach for different groups of food products as seafood, eggs and egg products, fresh meats, milk and dairy products and plant products. The project results will be translated in clear recommendations to the EC and end users and they will have a significant impact on protecting human and veterinary health.

Training Session on Plant Products June 25th, 2013 CNTA, San Adrian (Spain) 2013 EFFoST Annual Meeting - Bio-based Technologies in the Context of European Food Innovation Systems 12th -15th November

NEWS

BASELINE Final Conference

November 12, 2013
Savoia Regency Hotel, Bologna
(Italy)

BASELINE Final meeting

November 11, 2013
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CALENDAR

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LATEST DOCUMENTS

Report including safety criteria
for dairy products

BASP

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● Stakeholder platform

The members of the Stakeholders Platform establish a constant dialogue with the BASELINE consortium and contribute with their experience, through comments and consultations, to the set up of the future European sampling procedures, which will be developed according to real cases.

The Stakeholders Platform includes principally enterprises inside and outside the consortium but also public or private research institutes, laboratories, institutions and experts in general.

Project results and feedbacks from participating industries circulate among Stakeholders Platform to collect a wider industrial/experts evaluation of the feasibility and constraints to the new/reviewed sampling schemes, useful to focus the researches.

JOIN THE BASELINE STAKEHOLDER PLATFORM!

If you want to become member please download the [Application Form](#) and the [Information Sheet](#).

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- Unutar BASELINE projekta razvijena je Baseline Stakeholder Platforma (BASP) da se smanji raskorak između industrije i znanstvenih istraživanja.
- Predviđena je kao dvosmjerni odnos, sa jedne strane partneri projekta daju svoja istraživanja, vijesti i događaje, a sa druge strane korisnici imaju priliku sudjelovati sa svojim iskustvom, kroz komentare i kritike – pridonijeti razvoju budućih Europskih planova uzorkovanja, koji se razvijaju u skladu sa realnim slučajevima.
- Rezultati projekta i povratne informacije od industrije bit će poslane između članova Baseline Stakeholder Platforme da se sakupi još više industrijske(stručne procjene oko novih metoda uzorkovanja i planova).
- BASP je otvoren za: industriju, male i srednje poduzetnike (SMEs), istraživačke organizacije, sveučilišta, udruge, vladine organizacije, konzultantske tvrtke...
- Članstvo je BESPLATNO!

BASELINE BENEFITS



- Sve navedene privilegije su ekskluzivne za članove BASP (Baseline Stakeholder Platforme):

Privilegirane INFORMACIJE za BASP članove:

1. Periodički newsletter: Članovi će biti informirani o projektnim događajima, novostima, istraživanjima prilikama za buduća istraživanja i sl.
2. Mrežna stranica: Članovi će imati pristup ne samo internet nego i intranet dijelu mrežne stranice gdje mogu lako pronaći kontakte i podijeliti relevantne informacije



BASP

- Privilegirani PRISTUP za BASP članove:

1. Utjecaj na razvoj projekta i istraživačke planove projekta kroz komunikaciju i kritike na projektne inicijative,

2. Mogućnost za buduća istraživanja:
Članovi mogu biti uključeni u buduća istraživanja BASELINE konzorcijuma.

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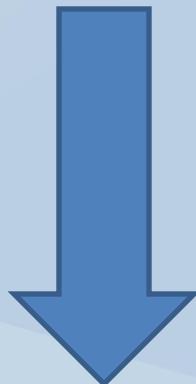


- Privilegirano UMREŽAVANJE za BASP članove:

1. Godišnji sastanci: članovi mogu sudjelovati na određenim događajima gdje mogu iznijeti svoje ideje i razmijeniti informacije sa ostalim partnerima projekta,
2. Tematske radionice i seminari: članovi će steći važna saznanja da bi poboljšali vlastitu konkurentnost.



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Training Session on Pla



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BASELINE SOFTWARE TOOL (BST)



SELECTION AND IMPROVING OF FIT-FOR-PURPOSE
SAMPLING PROCEDURES FOR SPECIFIC FOODS AND RISKS

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Optimized for Mozilla Firefox 4, Internet Explorer 9 and Google Chrome 11 or higher





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- Kroz ovaj software, korisnici mogu pristupiti raznim implementiranim modulima uz pomoć kojih se razvijaju prediktivni modeli za različite rizike u hrani, te se može vršiti i procjena/optimizacija planova uzorkovanja.
- U prvom modulu možemo predvidjeti ponašanje određenih mikroorganizama u određenoj kategoriji hrane, pod nazivom BASELINE, u okolišnim uvjetima.

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- Izbornik za implementirani prediktivni rast i inaktivacijske modele sakupljeni iz znanstvene literature obuhvaćaju:
 1. Morske plodove (*Listeria monocytogenes* i *Vibrio* spp.).
 2. Jaja i proizvode od jaja (*Salmonella* spp.).
 3. Mlijeko i proizvode od mlijeka (*Listeria monocytogenes* and *Escherichia coli*).
 4. Proizvode od mesa(*Salmonella* spp., *Campylobacter* spp. i *Listeria monocytogenes*).
 5. Proizvode od biljaka (*Escherichia coli* O157:H7, *Salmonella* spp. i *Listeria monocytogenes*).



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- Strukturni modeli koji se mogu odabrat u glavnom izborniku su predefinirani primarni modeli:
- - a) Rast: Baranyi, Gompertz i three-phase linearni model
 - b) Inaktivacija: Three-phase linearni i Weibull model.
- Prilagođeni sekundarni modeli (većinom su polinomialni, Gamma, Ratkowsky tip i cardinal) mogu biti jednostavno uvedeni od strane korisnika kroz “equation editor dialog”
- Osim literaturnih modela, dostupni su i modeli razvijeni na podacima dobivenim u **BASELINE** projekta. Ti se modeli mogu uspoređivati i pretraživati uz

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- Informacije i rezultati se mogu prevesti u CSV, MS Excel i/ili PDF formate.
- Stranica dozvoljava osobni prostor u kojem možete unositi svoje podatke te ih spremati i kasnije ponovno koristiti.

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- <http://www.baselineapp.com/>
- Probamo?

KRAJ



Hvala na pažnji!