

TOP FRIDGE STORAGE TIPS: HOW TECHNICAL INNOVATION AND POLICY CAN HELP





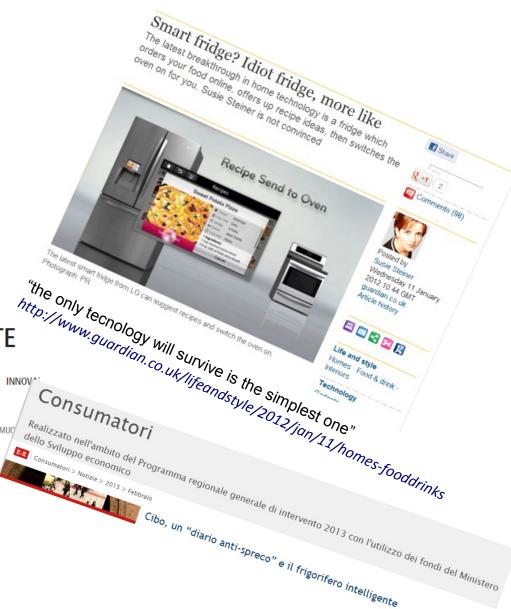
AGENDA:

- THE REFRIGERATION PARADIGMA
- FOOD PRESERVATION ENHANCEMENT ON PRODUCT DEVELOPMENT
- FOOD PRESERVATION ENHANCEMENT ON ADVANDED DESIGN
- POPEN DISCUSSION



Where are we in the cooling roadmap??





CORRIERE DELLA SERA / **AMBIENTE**

HOME CORRIERETY ECONOMIA SPORT CULTURA SCUOLA SPETTACOLI SALUTE SCIENZE INNOV.





Basta sprechi alimentari: il frigorifero diventa virtuale



Fare incontrare domanda e offerta si può. Ecco sei proposte

Corriere della Sera 01/12/2014



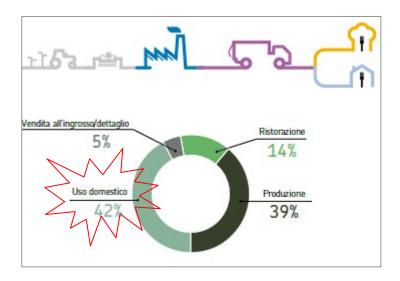
Cibo, un "diario anti-spreco" e il frigorifero intelligente Whirlpool-Indesit Integration Whirlpool Corporation - Confidential

The food waste is real









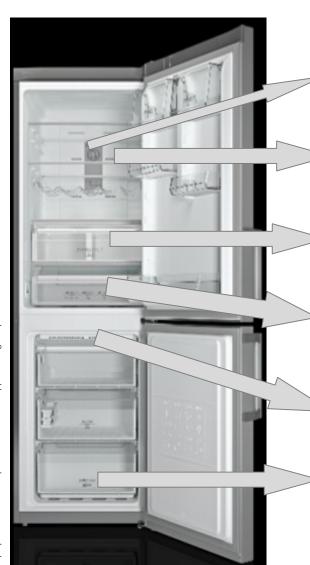
AMOUNT OF FOOD WASTED (kg/year)- BCFC,2010

European food waste composition-BCFN 2010



How to enhance the design of the refrigerator?

THE NEW COMBIS PLATFORMS UNDER LAUNCHING IN 2015



ACTIVE IONIZER

AIR FLOW DISTRIBUTION TO MINIMIZE TEMPERATURE FLACTUATION

NORMATIVE CHILLER 0°FOR BETTER MEAT/FISH CONSERVATION

«SUPERINSULTED» CRISPER WITH ETHYLEN FILTER

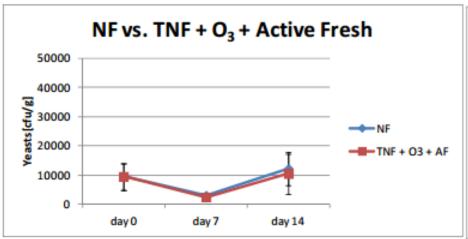
HORIZONTAL HEAT EXCHANGERS

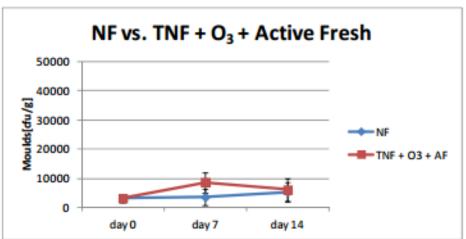
FAST FREEZING COMPARTMENT: FROM +70°TO -18°IN 4 HRS





TEST PERFORMED ON SPINACH ADN STRAWBERRIES STORED ON CRISPER BIN







FURTHER COLLABORATIONS WITH:

- AMADORI;
- SINTEF;
- GRANAROLO;
- FERRERO
- -

How to enhance the design of the refrigerator?











Supreme No Frost

Total No Frost

No Frost



HUMIDITY LEVEL & CONTROL

FRIDGE TEMPERATURE STABILITY

0 FROST

SPECIAL COMPARTMENTS FOR DELICATE FOODS

SPECIAL COMPARTMENTS FOR FRUITS & VEGETABLES

FREEZER TEMPERATURE STABILITY

0 ICE



Active 0°

Crisper at 80% RH





3 in 1 chiller

Ultra Fresh Crisper





Flexi Use Box

Flexi Use Box









PLACE THE LABEL ON THE PACKAGING

"Labels can be rewritable"

ACTIVATE AND WRITE CONTENTS ON LABEL

"Bar Code Scanner automatically detects the food DNA" "Expiring date information is not mandatory "

AUTOMATIC CHECK-IN

"The smart option transfers in few seconds tagged items on your virtual fridge storage" "Only one action needed: 1 touch"









Dialogic: the connectivity experience

Dialogic gives the possibilities...



Remote access of fridge/freezer options to activate, SUPER FREEZE, SUPER COOL, HOLIDAY and all the functions

before coming home from your shopping, preparing your fridge-freezer to host big quantities of food



PORTAL



Virtual storage & shopping list to monitor the cold storage, while the SMART SHOPPING LIST suggest you the products to buy, making your shopping easier and conscious





THE WEB **PORTAL**



Food Expiring data monitoring

to be aware and alerted on food expiring dates



APP



THE WEB **PORTAL**



Food Statistics

to keep under control FOOD STATICS, in order to monitor family eating habits and suggesting how to lead a healthy life style. Ex: statics on habits, food expiring dates...



THE WEB **PORTAL**

Dialogic: the innovation roadmap





APP DEVELOPMENT WITH **UNIVPM/FBK** FOR:

- receipts assistent with food stored in the fridge
- food near to expiring date re-usage (integration with Bring the food)
- shopping assistence

TRIAL EXPECTED FROM SEPT 2015 IN TRENTO



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