

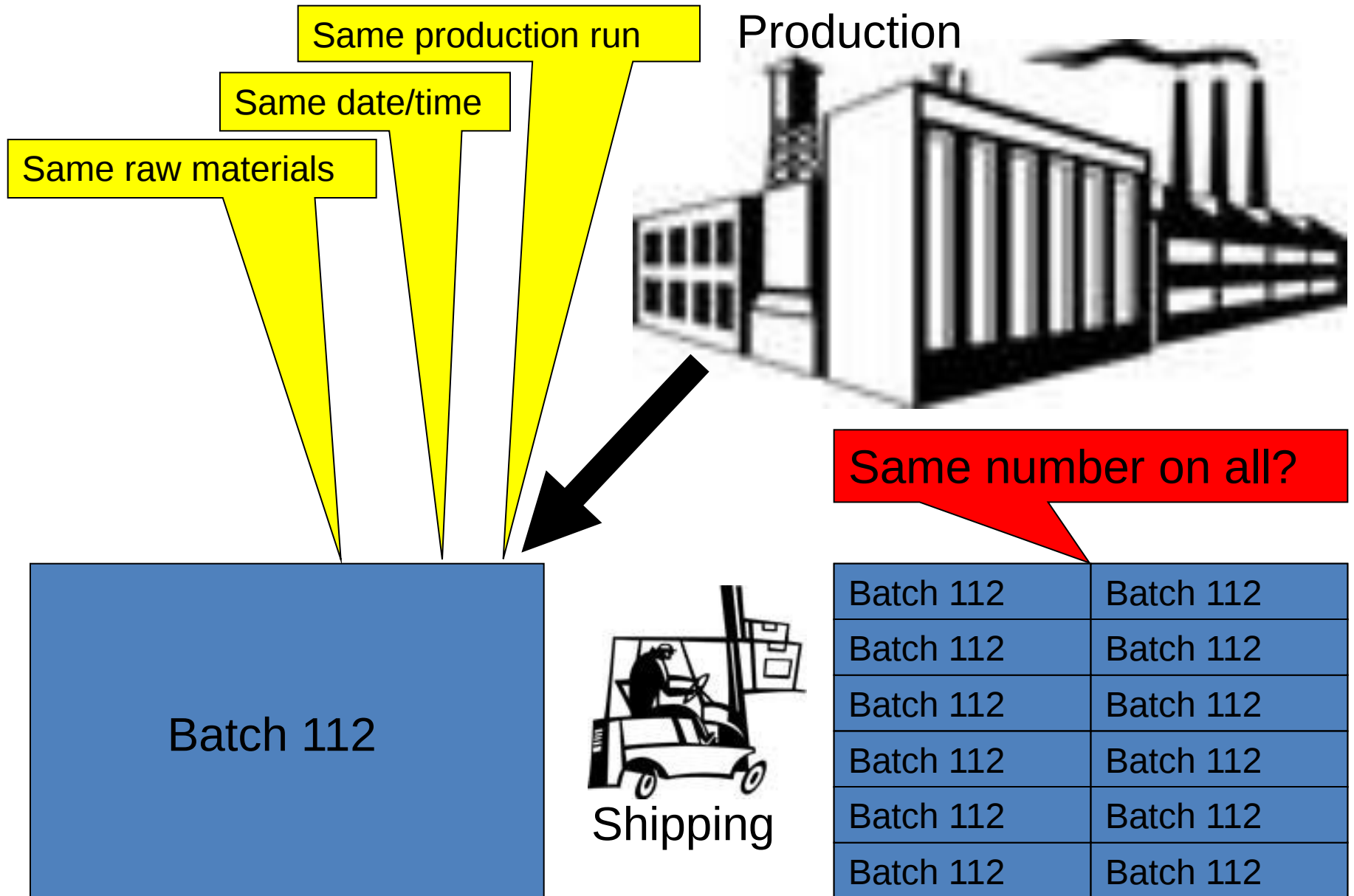


Unique identification

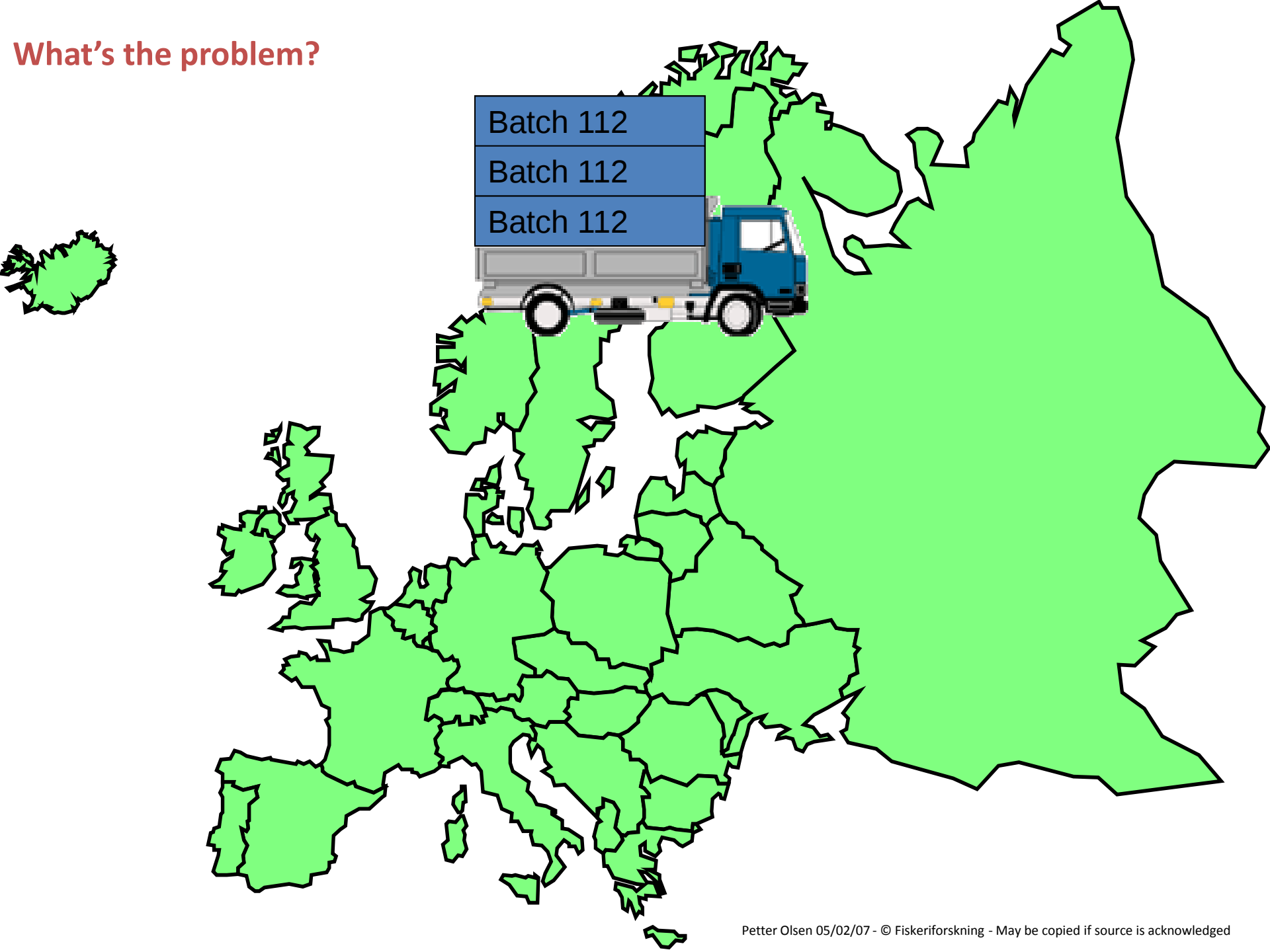
Dr Heiner Lehr
heiner@syntesa.eu

- Unique identification is one of the key principles required for chain food information management
 - Food being globally traded requires globally unique identification
 - Local identification for products, traceable units (such as product instances), logistic units, business sites etc is not globally unique
- Currently no globally unique identification products are available free of charge

Biggest challenge - identification



What's the problem?



- Where was this box on October 12th 2005 at 14.00?
- What is the highest temperature this box has ever been subjected to?
- I have taken some sample tests of the contents of this box. How do I record the fact that the samples were taken from this exact box, and not from any of the other boxes identified in the same way?
- I have another box that also is identified by the number 112. Did those two boxes take the same route to get to me?

- ISO 15459 regulates globally unique identification and has a register of entities that may issue globally unique identifiers
- Scope:
 - ISO/IEC 15459 (part 3) specifies a unique, non-significant, identifier for products and/or items, represented in a bar code label or other ADC media attached to or incorporated into the item to meet these needs, and known as the UID.

INTERNATIONAL
STANDARD

**ISO/IEC
15459-3**

First edition
2003-xx-xx

**Information technology — Item
Management —**

**Part 3:
Unique item identification for supply chain
management**

Technologies de l'information —

Partie 3:—

A UID:

- a) shall start with a string of characters, the issuing agency code (IAC), assigned to the issuing agency by the Registration Authority;
- b) shall conform to a format specified by the issuing agency;
- c) shall be unique in the sense that no issuer re-issues a number until a sufficient period of time has passed so that the first number has ceased to be of significance to any user responsible to the issuing agency;
- d) shall not contain more than 50 characters, exclusive of identifiers and overhead characters;
- e) shall conform to the semantic rules of ISO/IEC 15418;
- f) shall conform to the syntax rules of ISO/IEC 15434 when encoded in a high capacity medium;
- g) shall contain only numeric and upper case alphabetic characters drawn from ISO/IEC 646 (not including lower case characters, special characters or punctuation marks), e.g.:
 - 655-9.....would become.....6559
 - 24-86-2S..... would become.....24862S
 - 84/XPG.....would become.....84XPG
 - MP 15 86-G.....would become.....MP1586G
 - 92.885*BK.....would become.....92885BK

REGISTER of ISSUING AGENCY CODES for ISO/IEC 15459

IAC	Organisation
0-9	GS1
D	NSPA (NATO Support Agency)
GH	Ghana Revenue Authority
KDK	Danish Defence Acquisition and Logistics Organization (DALO)
KKR	Korea Institute of Distribution and Logistics (KIDL)
LA	Japan Information processing Development Corporation/Electronic Commerce Promotion Center
LB	Telcordia Technologies, Inc.
LD	Department of Defense - Defence Logistics Information Service
LE	Electronic Data Interchange for Companies with Interest in Computing and Electronics
LF	International Federation of Freight Forwarders

IAC	Organisation
LH	European Health Industry Business Communications Council
LM	Telefonaktiebolaget LM Ericsson
LN	ABOL SOFTWARE INC.
ND	DHL Freight GmbH
NL	Koninklijke TNT POST
OD	ODETTE EUROPE
QC	European Chemical Industry Council
RG	Xifrat Daten A.G.
RH	Health Industry Business Comm. Council
SI	SIEMENS
ST	European Confederation of Iron and Steel Industries
UN	Dun & Bradstreet
VEC	ECRI
VGT	Group of Terrestrial Freight Forwarders

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_5469

