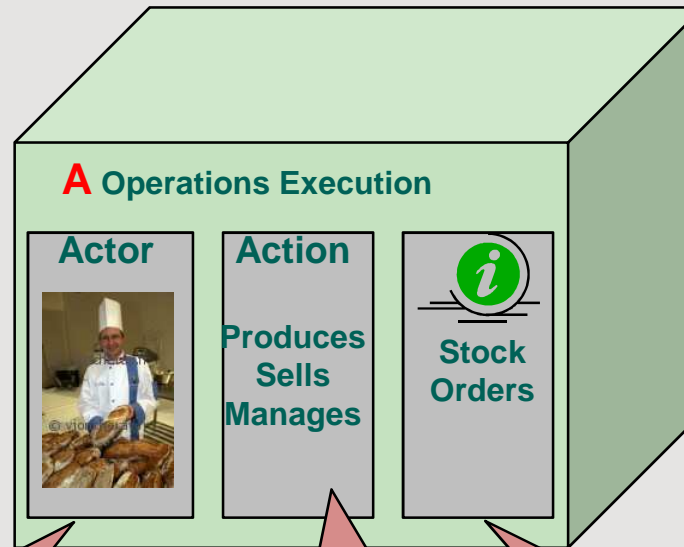


There was once, a Bakery...



The Baker makes and sells his bread just like his father

The Baker learnt his trade from his father, who had learnt it from his grandfather. He makes his bread to the family recipe.



The Shop is run by the Baker and his wife.

The Baker makes his bread himself. His wife sells it. In the evening they « do the till ».

To produce, he manages his stock of flour. She takes the customer orders.

Operations

But it's hard to get new apprentices to work well



To cope with increasing clientele, he has to hire apprentices to produce more good bread and to serve more customers.

Oh Genie, good Genie! I hired apprentices to help me Produce and Sell my bread. But the bread isn't always of good quality, the orders are often wrongly filled out. I see my apprentices running between the shop and the ovens with no real efficiency.

Should I fire them all and hire new ones?



You must formalize your « know-how » if you want your employees to profit from it; take the time to

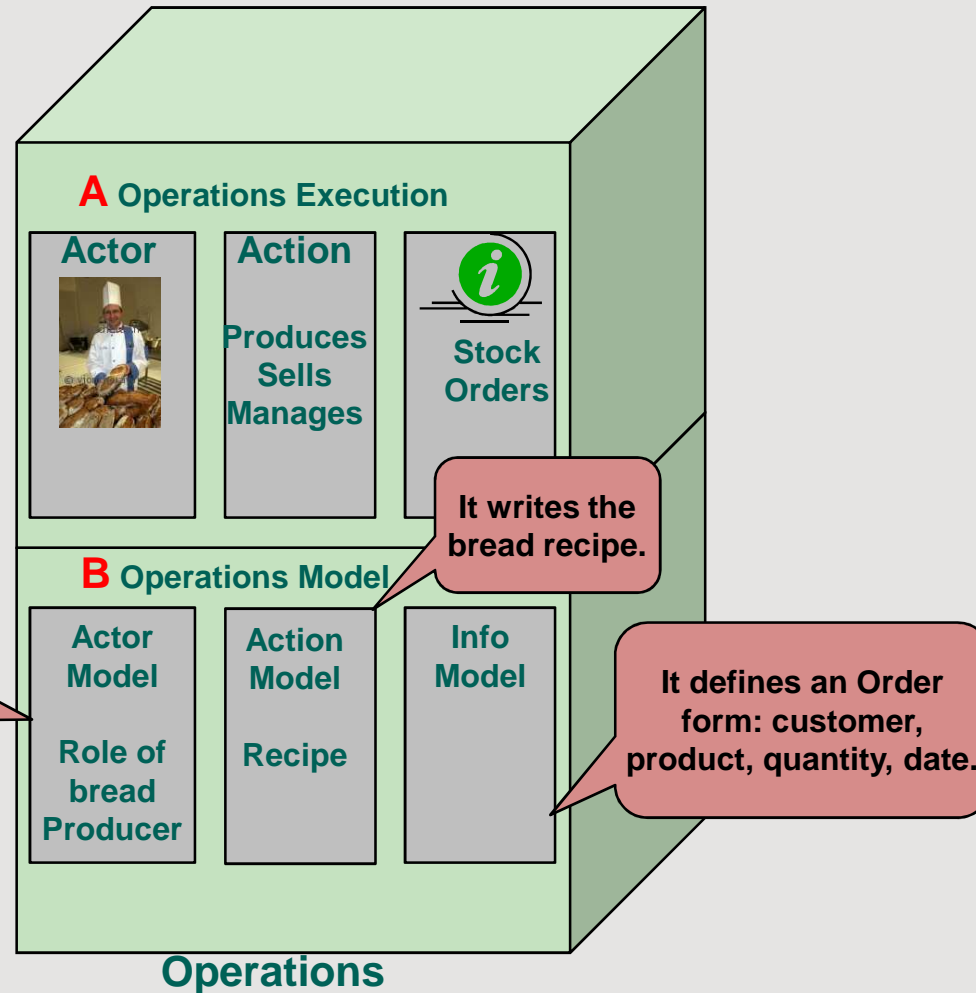
- Define each person's role*
- Write out your recipe*
- Prepare order forms, so they don't forget to note down the 4 key pieces of information: customer, date, product and quantity.*

Do so and you'll be surprised with the result!



The Baker has to **model** to enable his apprentices to work

*So the Baker made the effort to Model roles, recipes and orders.
To his great surprise, things suddenly went much better: he even had less and less work to do and rested on his laurels.*



But a competitor takes away part of the clientele



One day, another baker sets up shop nearby: he offers organic bread with bacon and with walnuts. Part of the clientele changes bakeries...

Oh Genie, good Genie! A competitor has just set up nearby: I don't much like his bread, but my customers are leaving me.

Should I blow up his bakery?



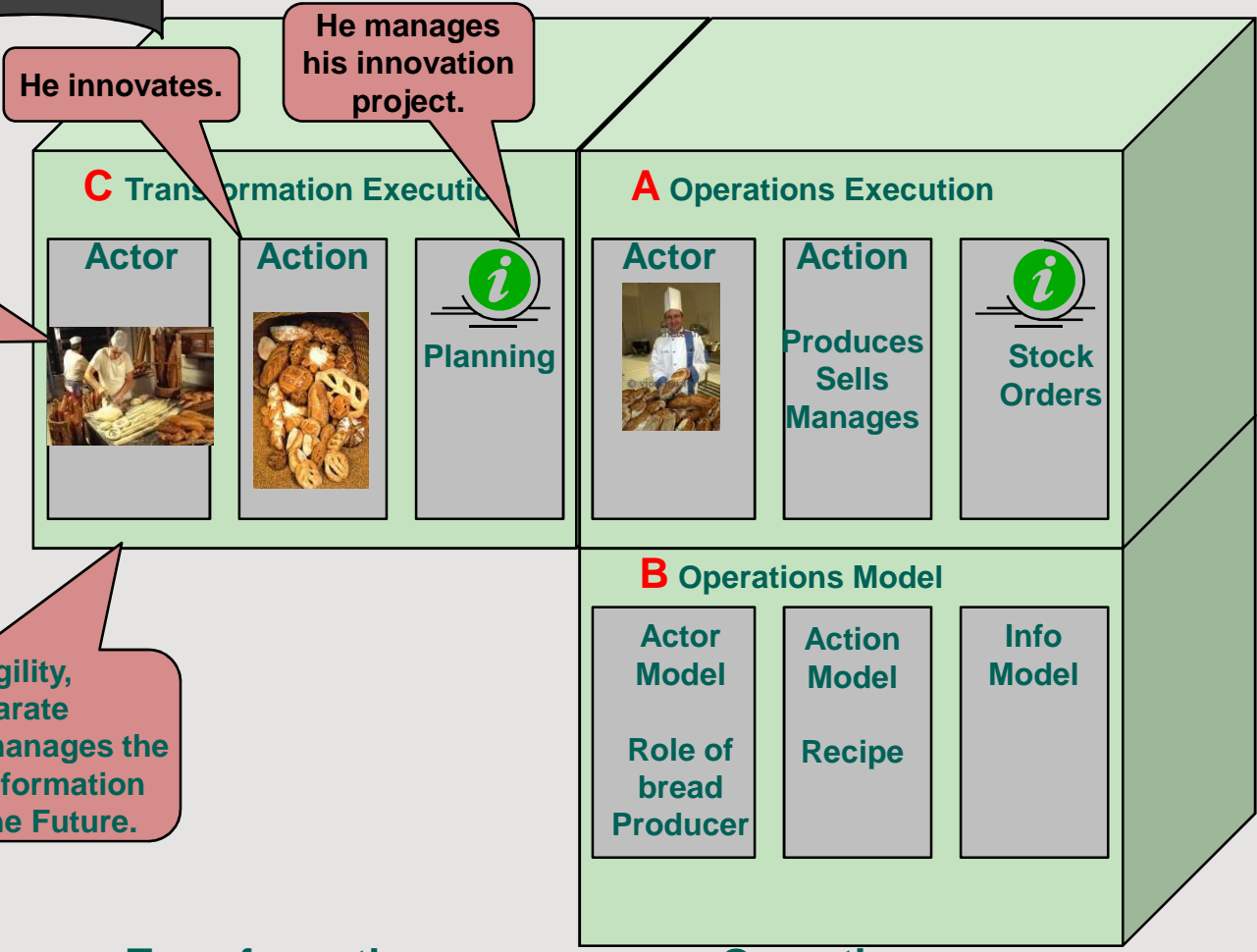
What matters is not the bread you like, but the bread your customers like. You can't just blow up your competitor's shop because he managed to make a better bread than yours, you must invent a new bread that pleases customers even more.

Do so and you'll be surprised with the result!



The Baker has to **innovate** to rival the competition

The Baker decides to isolate one particularly creative apprentice, to get him to invent new kinds of bread.



He innovates.

He manages his innovation project.

We isolate an « inventor » of new kinds of bread.

For greater agility, we must separate Operations which manages the Present and Transformation which prepares the Future.

Transformation

Operations

But he doesn't know how to reproduce the newly invented bread!



After a series of disastrous attempts, the bread inventor manages to bake an extraordinary bread, but is unable to reproduce it. The inventor is an « artist » who succeeded in creating a one-off bread, like an original work of art.

Oh Genie, good Genie! I did exactly what you said, but it didn't work.

Should I drown my bread inventor in his own dough?



Your inventor did the essential of his task: he managed to invent an original and pleasing bread. You must model not just the Actions executed by your apprentice bakers or trainee salespeople, but also the Transformation Actions.

Do so and you'll be surprised with the result!



The Baker defines the innovation methodology

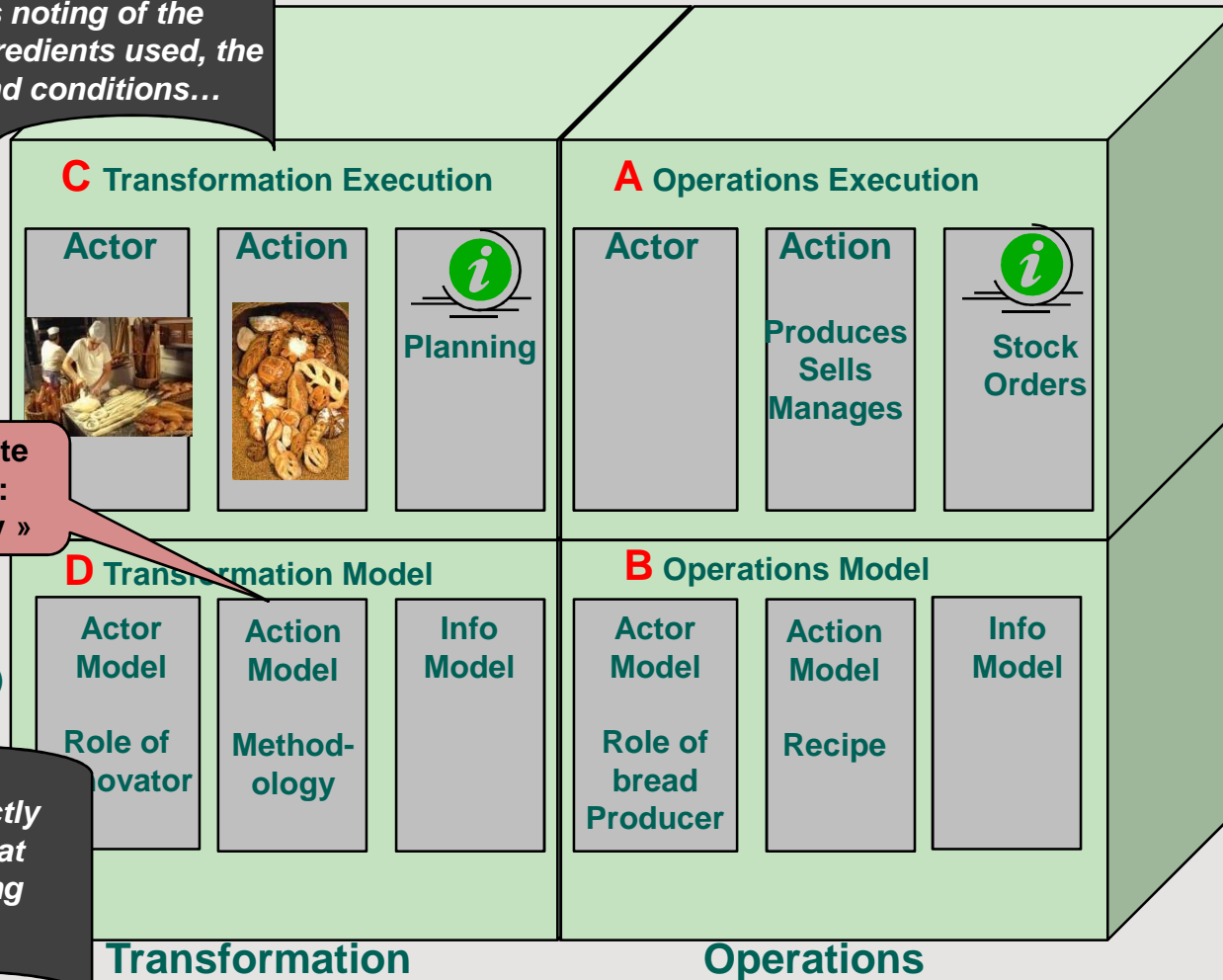
The Baker models the Transformation Process: it requires the meticulous noting of the proportions of ingredients used, the cooking time and conditions...

**Execution
in the real world**

How to innovate is formalized: « methodology »

**The Model
(Doc. and Software)**

The new bread is perfectly reproducible. It's a great success: they're turning customers away!



But he can't manage growth



*Oh Genie, good Genie!
Business is booming, but I can't satisfy
all the customers queuing up
in front of my shop.*

*Should I chase them away
with a flame thrower?*



*You can't complain about too much custom!
As you succeeded in modelling the functioning
of your bakery, why not open other shops?
Your customers will relocate
of their own accord.*

Do so and you'll be surprised with the result!



The Baker opens 100 shops

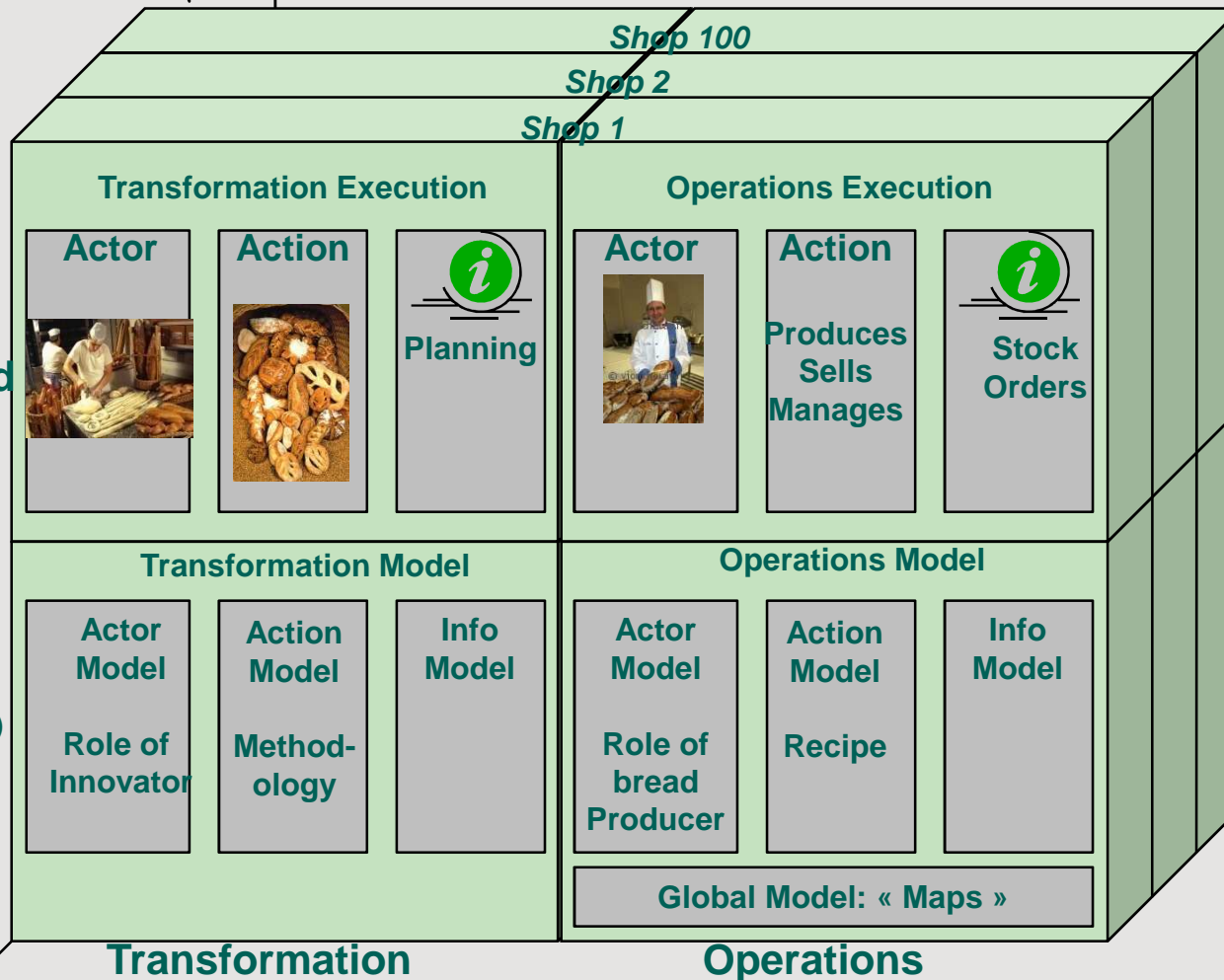
His success encourages him to open 100 shops, whose size depends on each local market.

Complexity

**Execution
in the real world**

**The Model
(Doc. and Software)**

Synergy



Agility

But the customers can't find the same bread in every shop



Each outlet reinvents its own special bread: customers are more loyal to their shop than to the bakery chain.

*Oh Genie, good Genie!
I get letters from my customers who complain that I don't supply them similar products from one shop to the next.
Should I centralize my bread Production?*

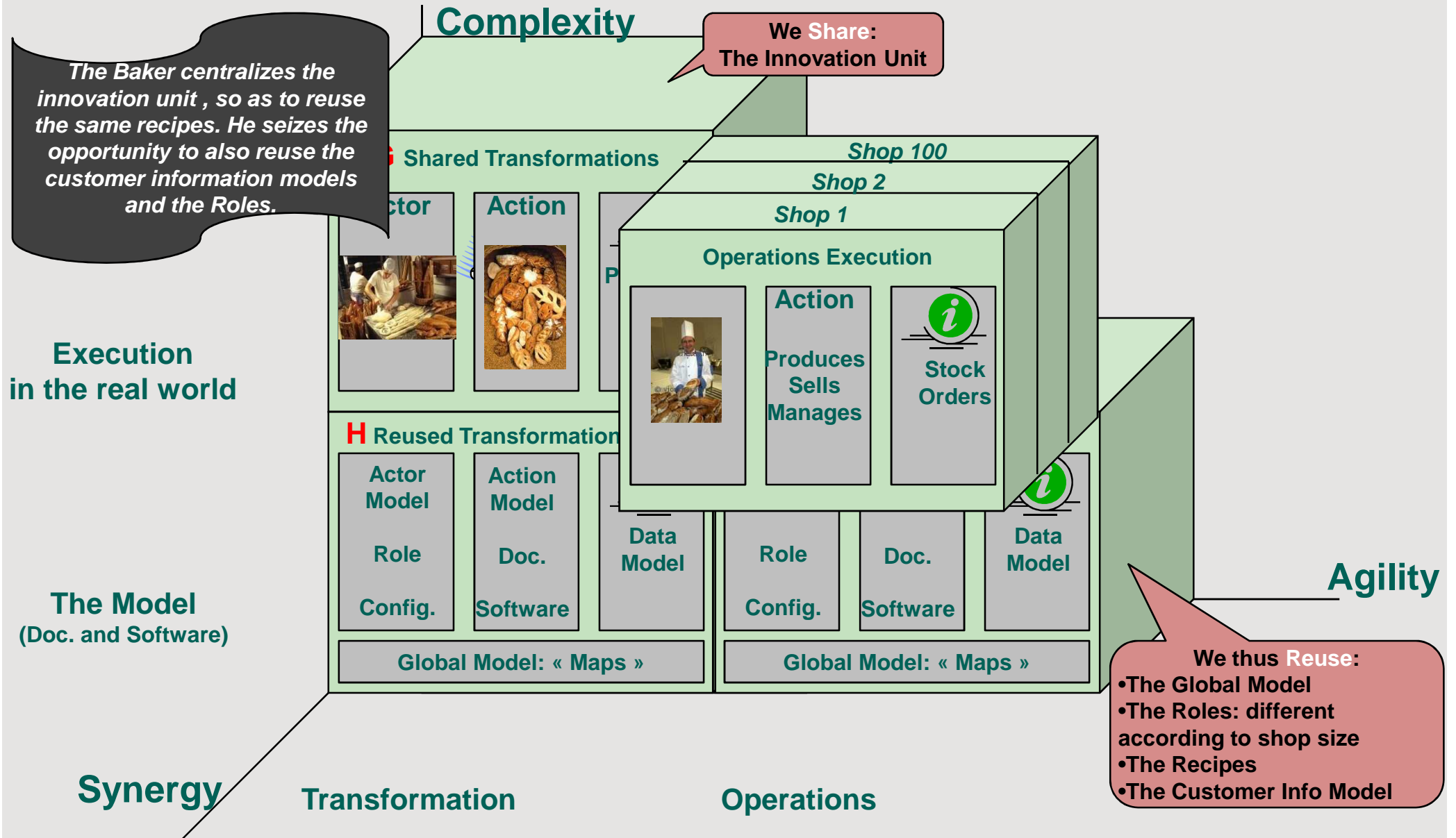


Customers want to find the product they like as they move around. Don't centralize bread Production, just centralize innovation, so as to have but a single recipe.

Do so and you'll be surprised with the result!



The Baker centralizes the Innovation Unit: All shops reuse the same recipes



But the products are still different because the ingredients are different



However, the quality of the flour ordered by each is not homogenous: the recipes are the same but the ingredients are not.

*Oh Genie, good Genie!
I'm still getting letters of complaint from my customers.*

Should I refuse those that are unhappy access to my shops?

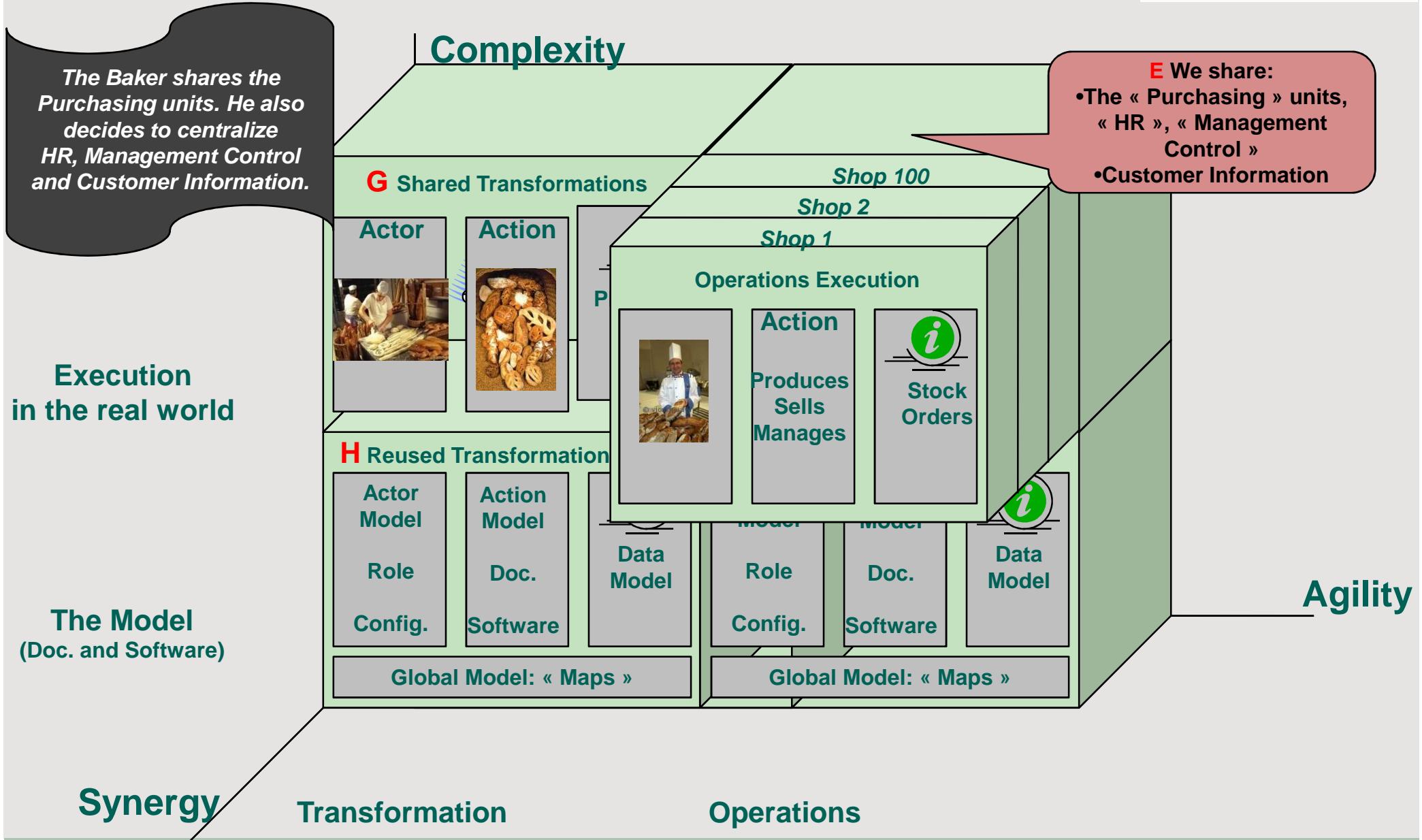


It's not enough to simply use the right recipe, the ingredients also have to be identical. Why not centralize the « Purchasing » unit?

Do so and you'll be surprised with the result!



The Baker centralizes the support activities: HR, purchasing, management control...



But managing the whole becomes complex



*However, the administrative workload grows:
how to automate?*

*Oh Genie, good Genie!
I spend my time filling out papers
and holding meetings.
How can I lighten my workload?*

Should I shred all these documents?

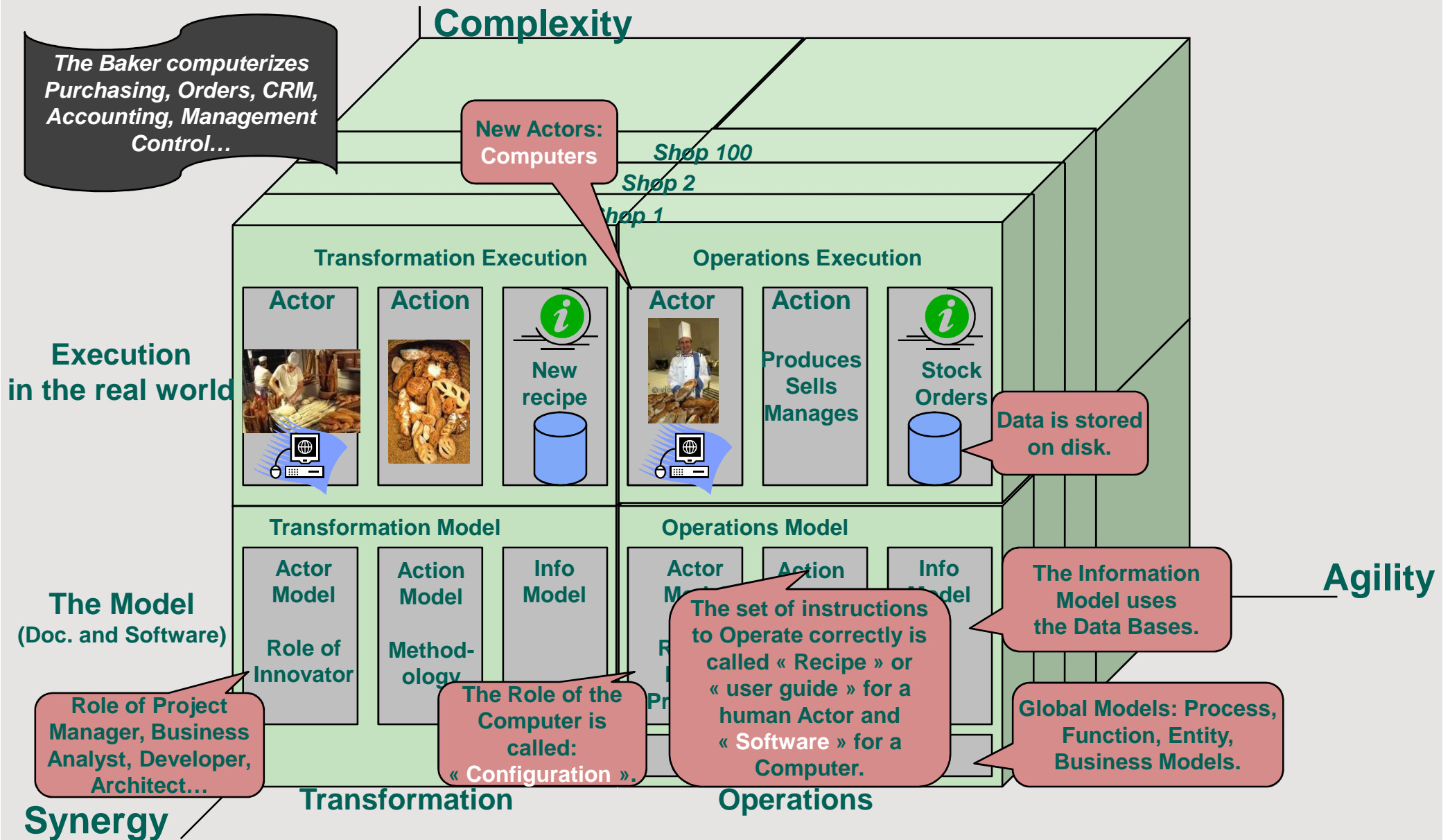


*The IT tool won't invent new bread for you, but
it can make the functioning of your Enterprise
less onerous and more reliable.
Why not avail of it?*

Do so and you'll be surprised with the result!



Computerization: same representation!



But the Solutions are heterogeneous



However, he has great difficulty in using all these heterogeneous Solutions.

*Oh Genie, good Genie!
I have to re-enter the same information,
go from one ergonomics to another,
remember 12 different passwords
and the whole is weakened every time
I ask for the slightest modification!*

Should I have my entire IT staff shot?



*You'd also have to shoot their replacements...
for as long as you don't « Reuse »: just like you
reuse the same pastry and the same cream to
make your cream puffs and chocolate éclairs,
you must use the same software components
for your different Solutions.*

Do so and you'll be surprised with the result!



Complexity

We Transform not only Reused Solutions between Bakeries, but also Reusable Software Components between Solutions.

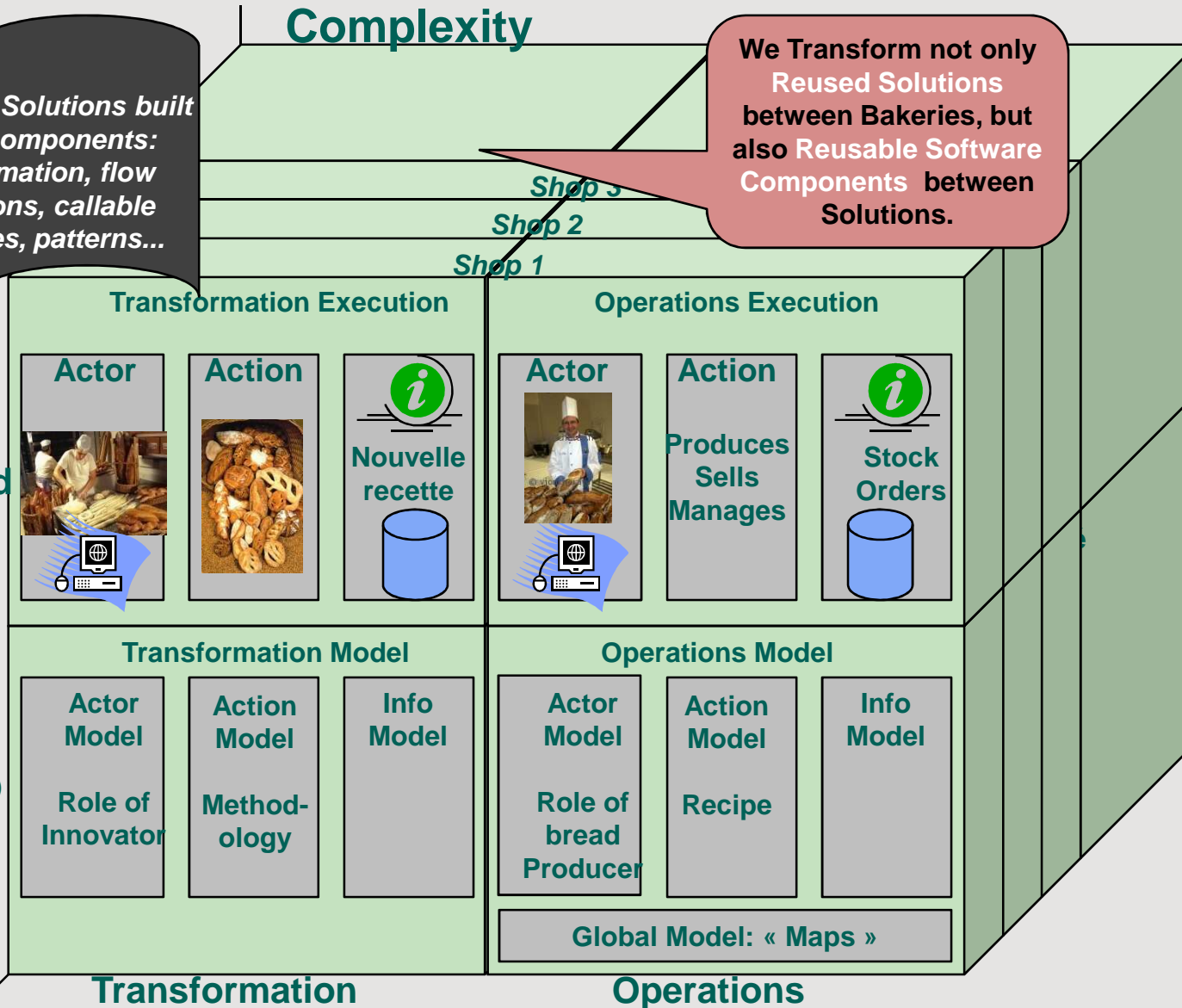
The Baker has his Solutions built from common components: Access to information, flow between Solutions, callable software Services, patterns...

Execution in the real world

The Model (Doc. and Software)

Synergy

Agility



But Transformations are still too slow



or



*Everything is simpler,
all is more coherent,
but Transformation
is still too slow!*

*Oh Genie, good Genie!
I'd like much more agility from these
incompetents in Project Management
and IT:
Should I bomb the IT centre?*



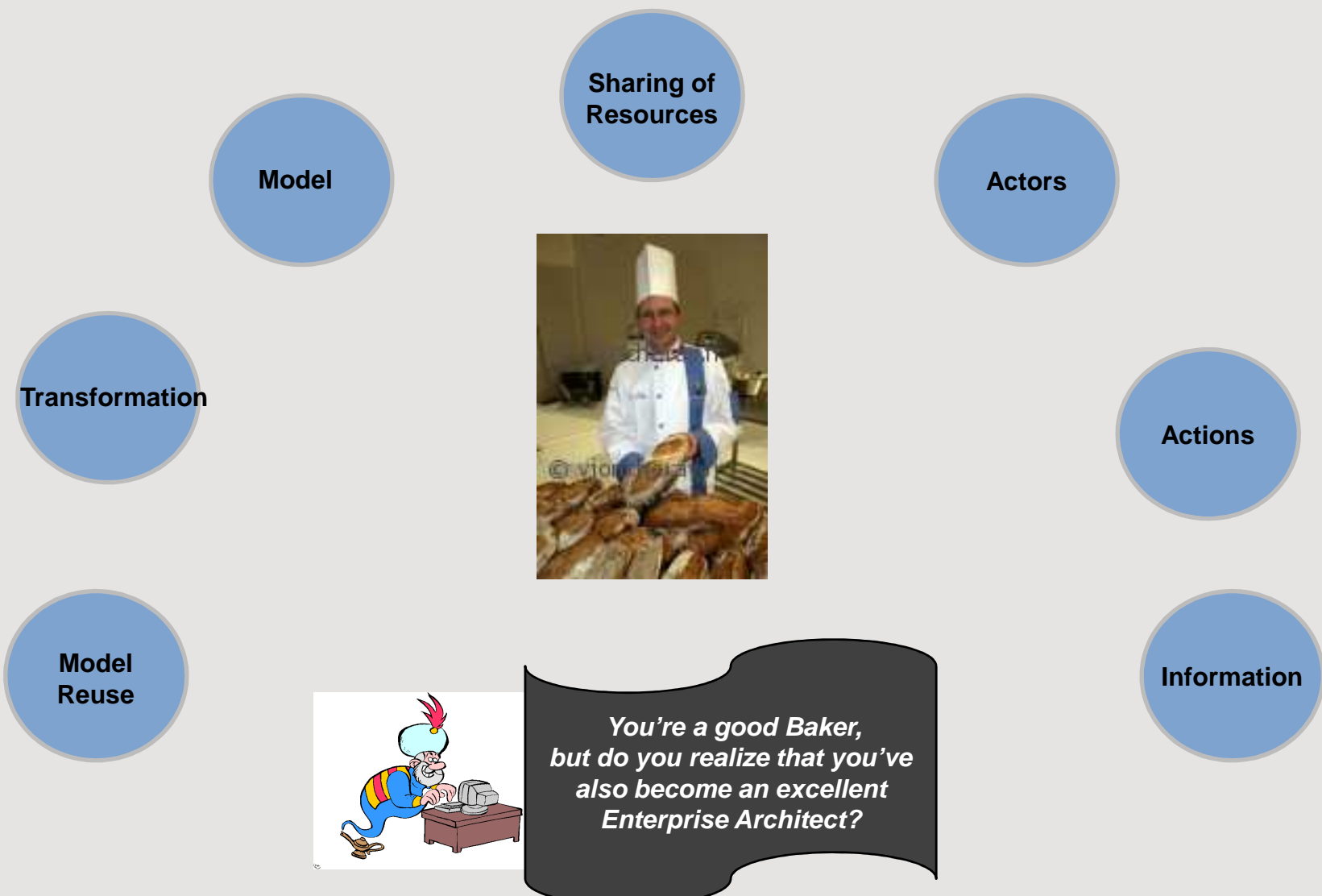
*You can carry out some Transformations by
parametering, or the use of **rule engines**, or
workflow engines...*

Have you already asked your IT teams for this?

Do so and you'll be surprised with the result!



Unknowingly, the Baker has become an Enterprise Architect...



The Baker's 7 messages



1. A **simple Definition** of Enterprise Architecture: the art of bringing together Actors, Actions and Information to make an Enterprise work.
2. It is not enough to Operate: we must also **Transform!**
3. A discipline that is **accessible to all**.
4. In particular, it must help resolve the 3 key challenges for Enterprises - how to:
 - Master **Complexity** through Modelling
 - Favour **Agility by separating** Operations and Transformation
 - Guide **Synergy** by sharing Resources and by reusing Models
5. **Business** and **IT** should not be antagonistic, but associated to build appropriate Solutions.
6. Agility is achieved if there is strong **Reuse** of Components and if **parametering** and **rule engines** are employed.
7. The approach is the **same** whether IT is used or not.