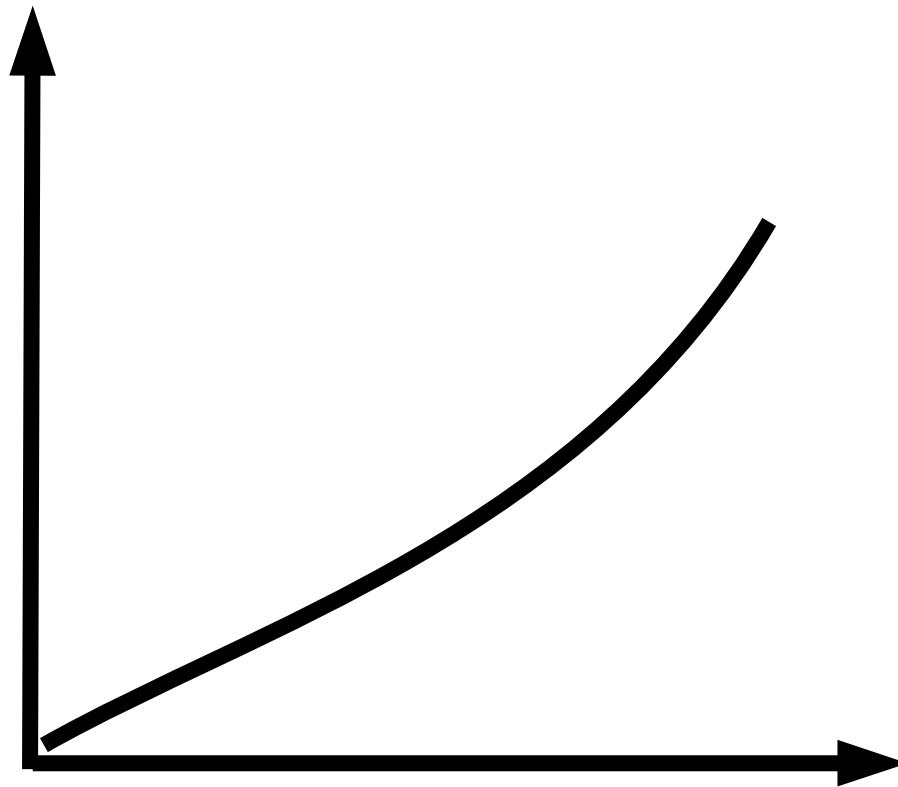


# Wie man den Zustand

**„Gescheitert am ERP-System“**

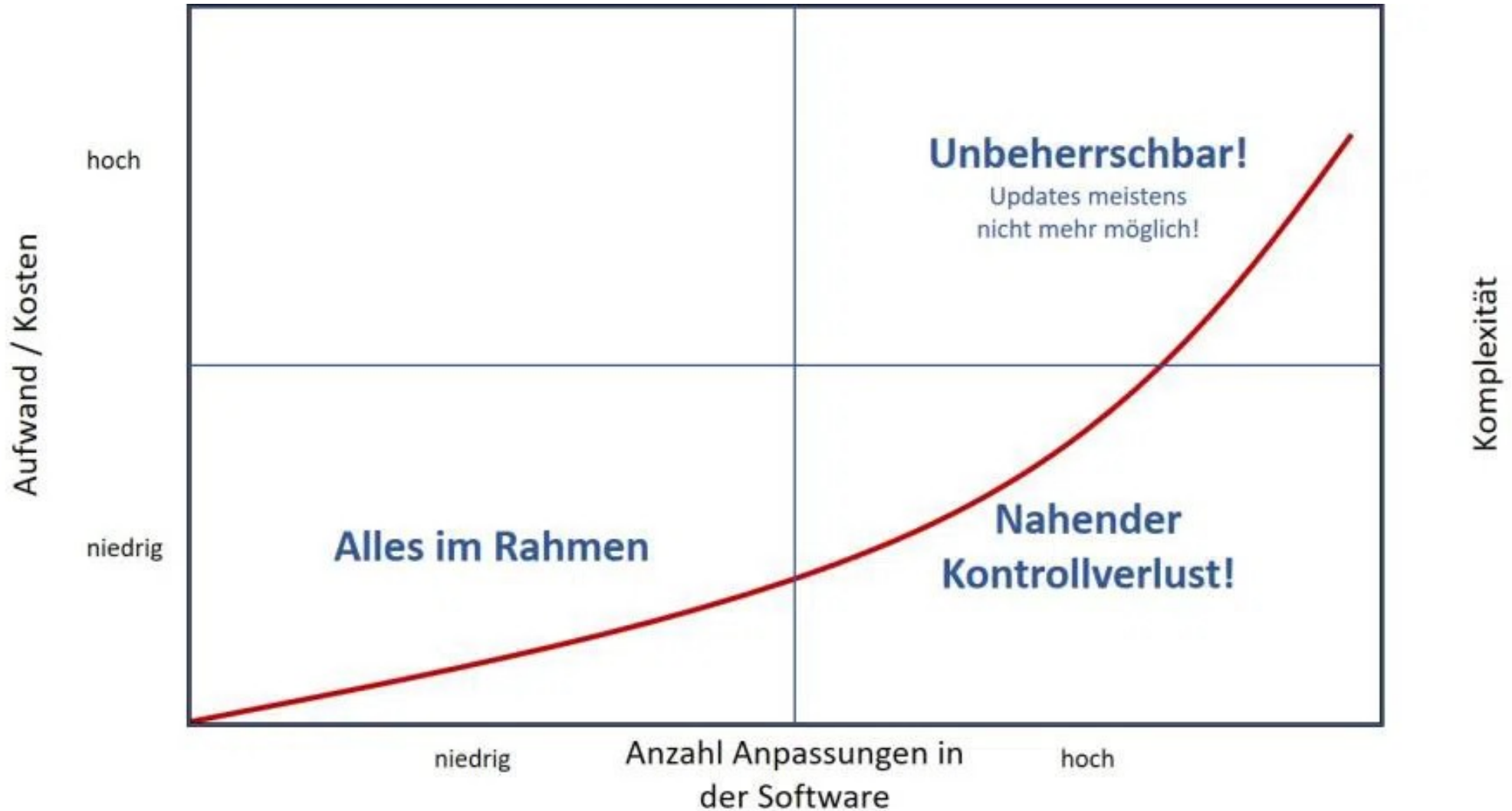
**vermeidet**



**„User fordern Customizing ...**

**... anstatt im Standard zu bleiben“**

# 3. Customizing für User



# Standard oder Individuell ?



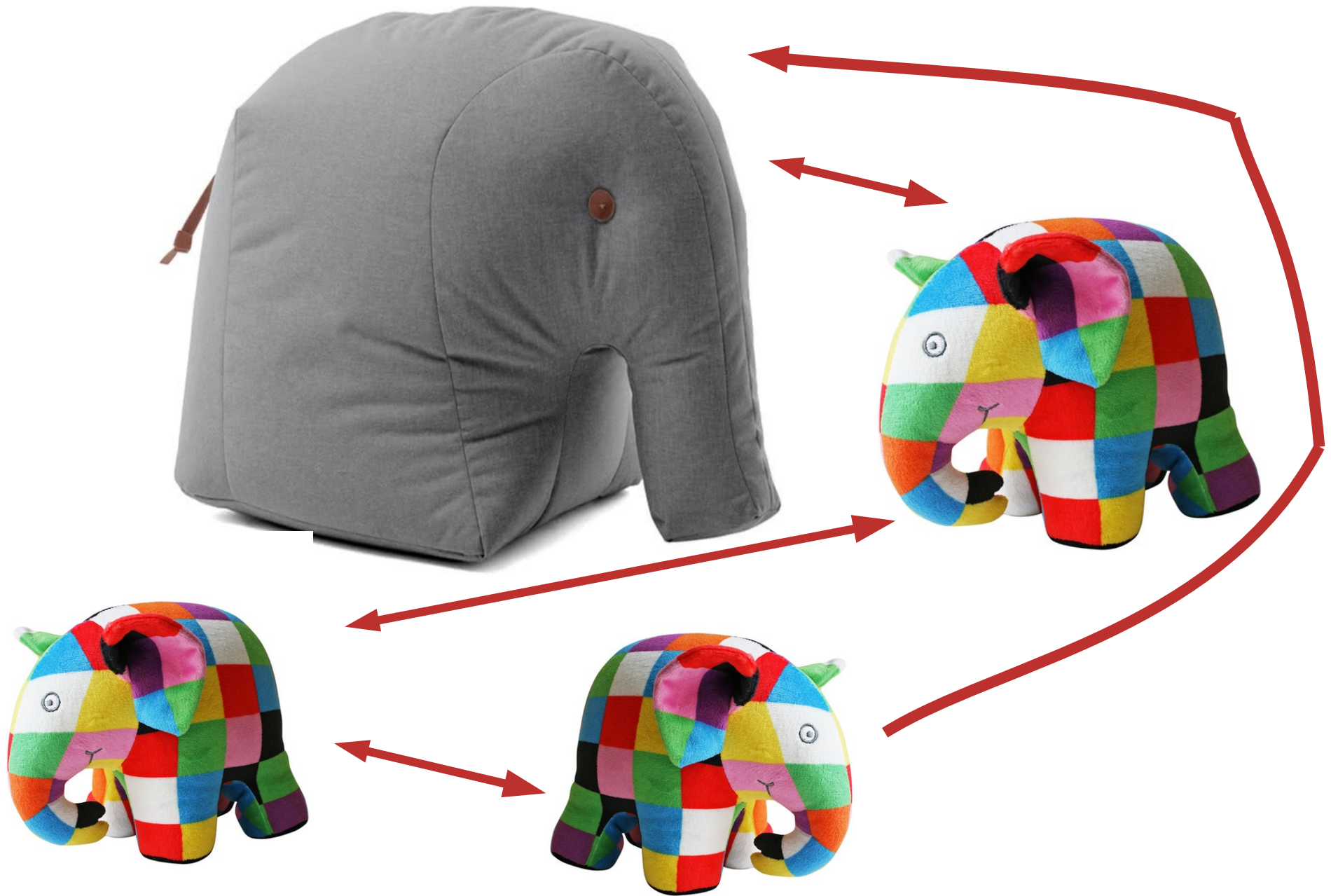


> 90% von extern



< 10% eigene IT

# Standard mit 0% Flexibilität



**Standard mit 100% Flexibilität**  kivitendo



# Gesunde Mischung 70:30

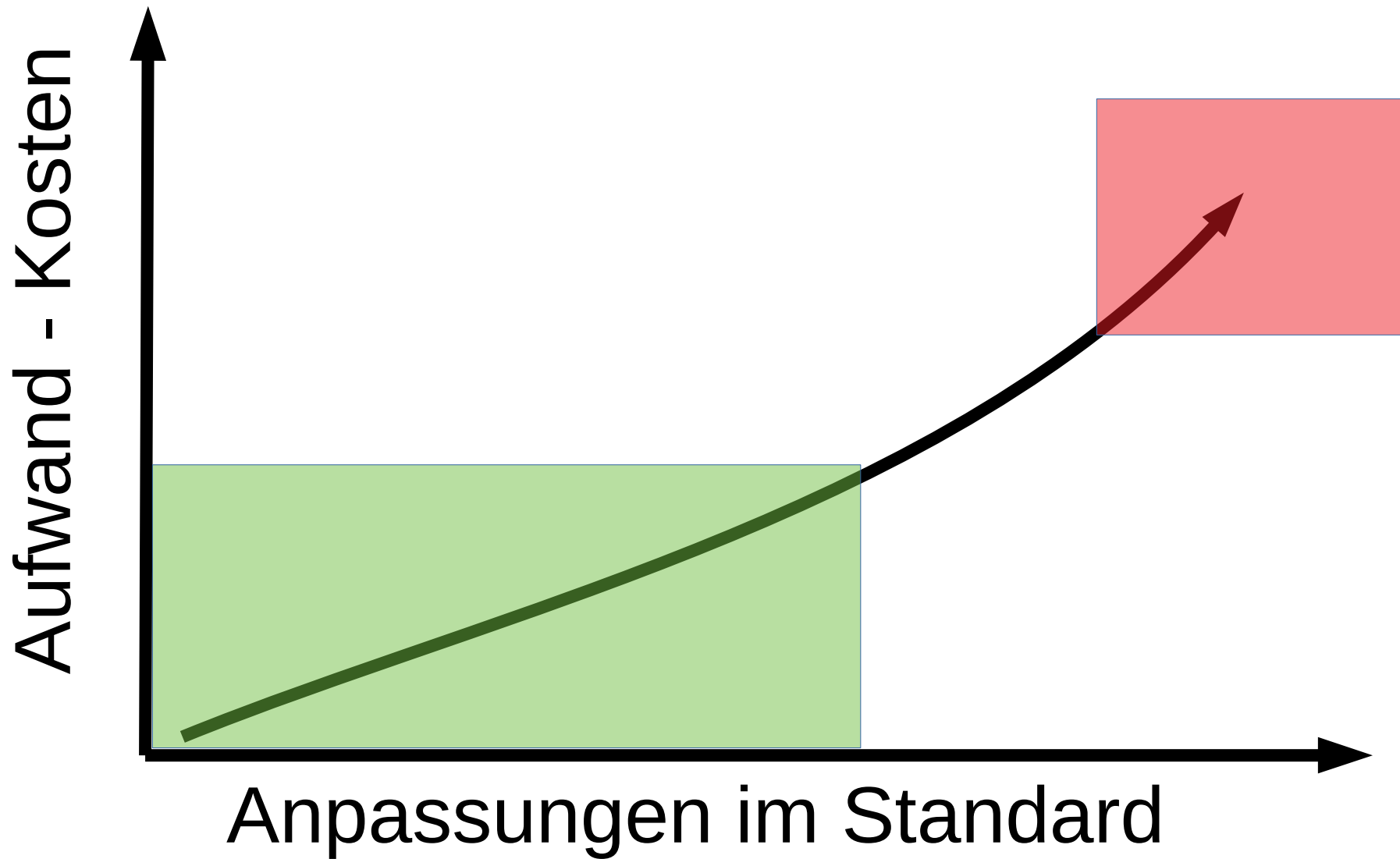




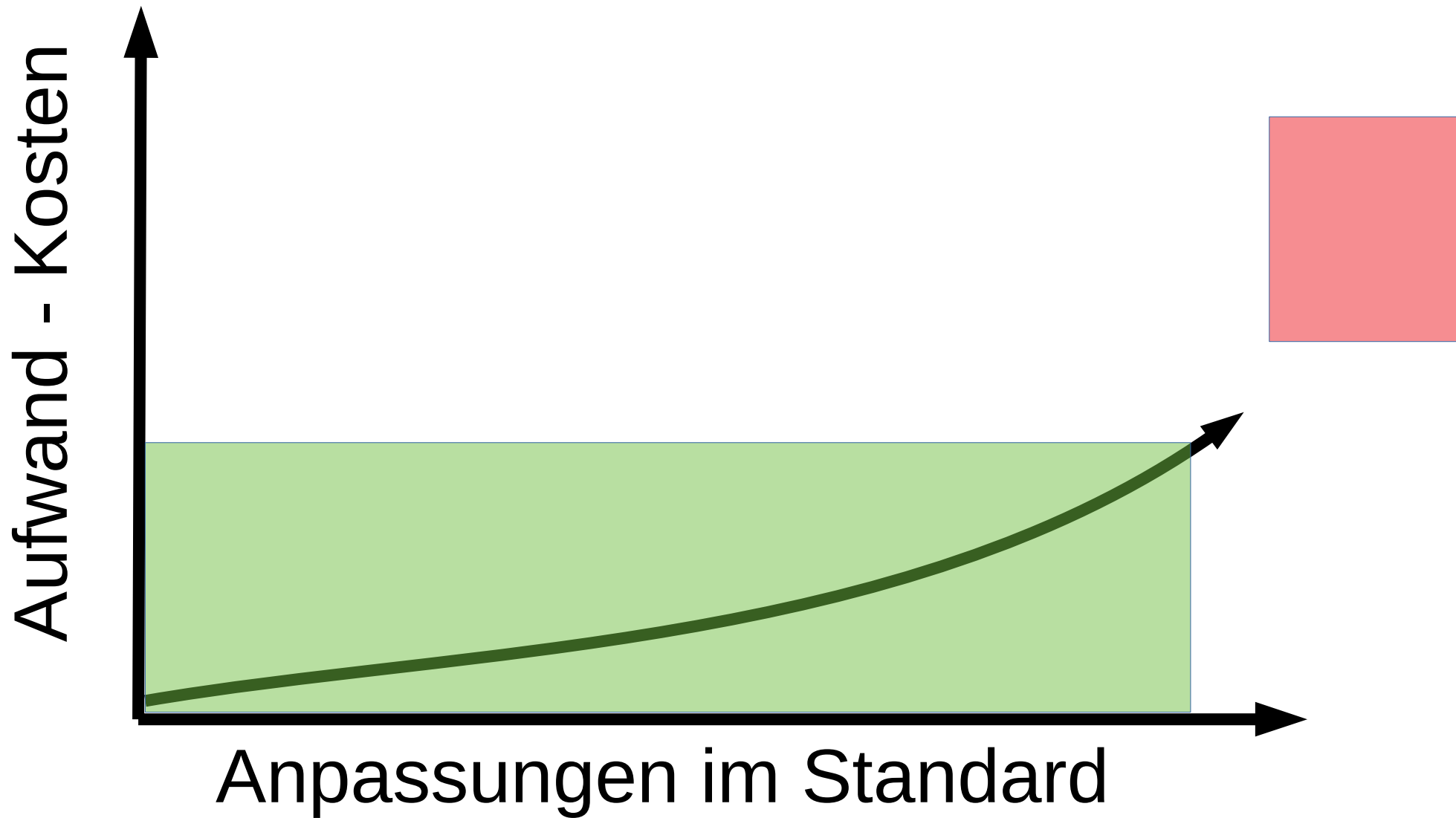
# Mittelfristig flexibel



# Anpassungen : Aufwand



# Flexibel aber wartbar!



# Aber das ist doch Standard!



**1. Anforderung** → Standardversion

**2. Anforderung** → konfigurierbar

**3. Anforderung** → Standard kaputt

# Standard, aber individuell!



```
kunde_a  
kunde_b  
kunde_c  
* master
```

**git checkout -b kunde\_a**

# Best Practice Commits

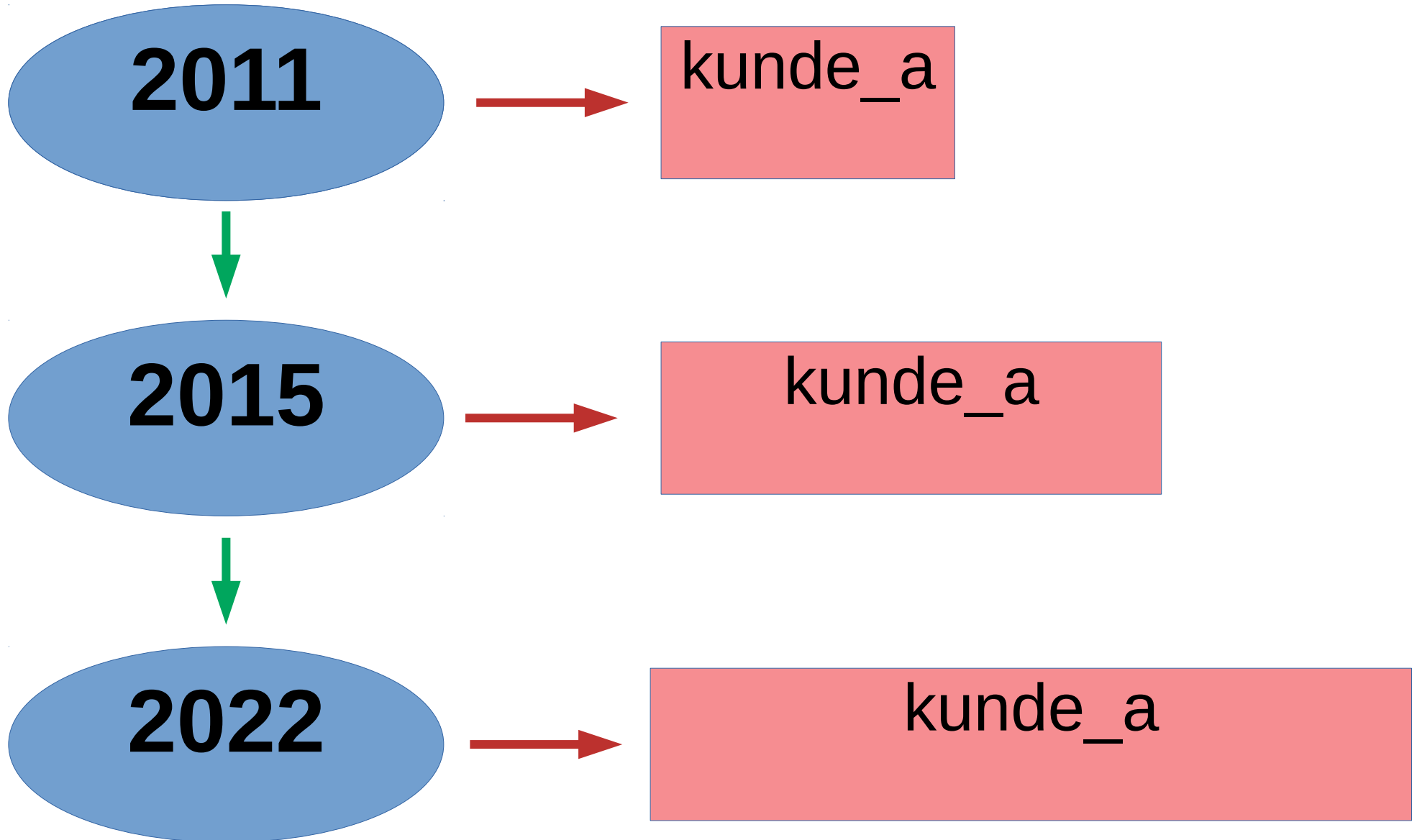


- o kunde\_a: Kundenspezifische Druckvorlagen
- o kunde\_a: Versionsvariable angepasst
- o [kunde\_b] [kunde\_c] [master] {origin/HEAD}

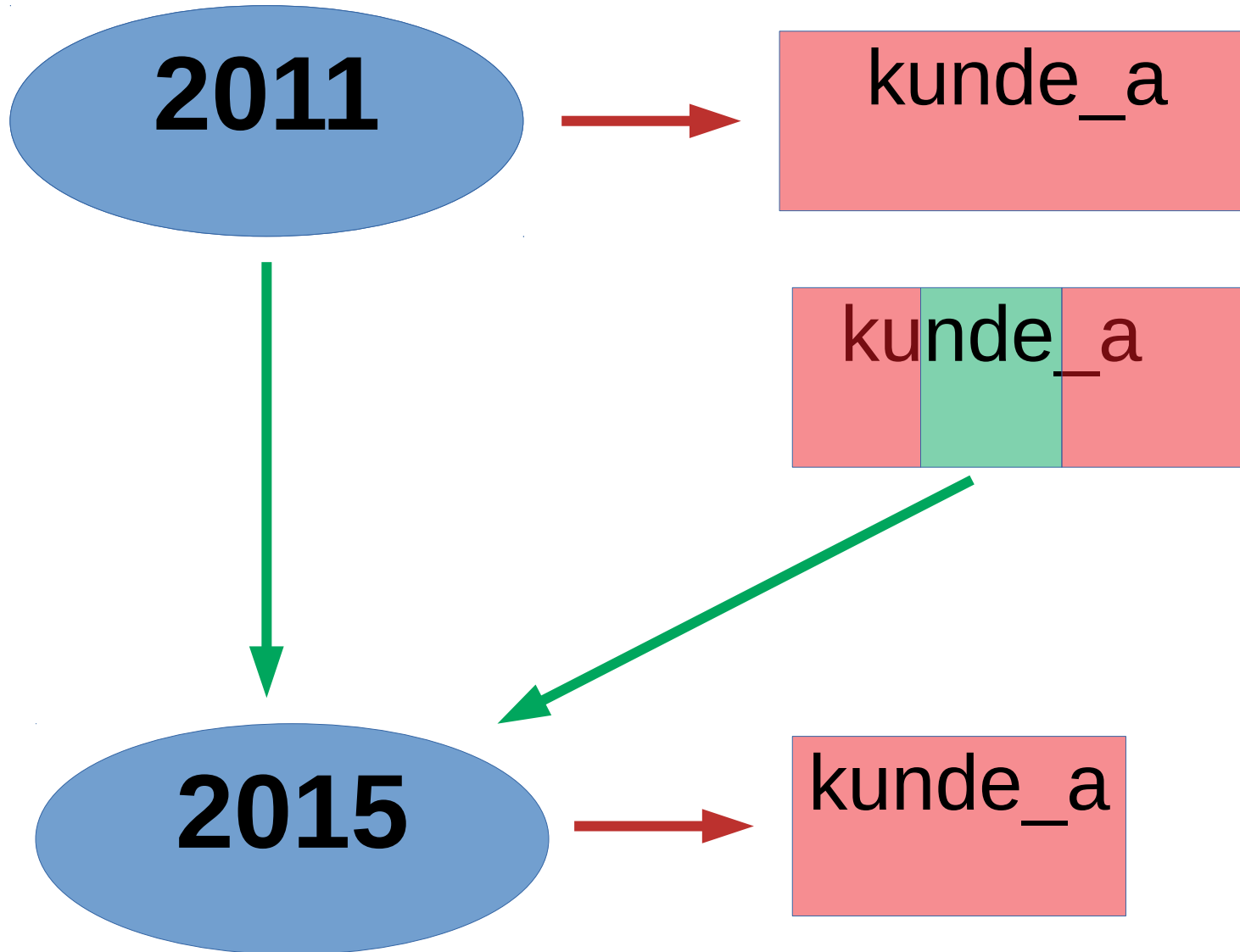
→ **so klein wie möglich**

→ **Kunden-Commits präfixen**

# IMMER: git rebase

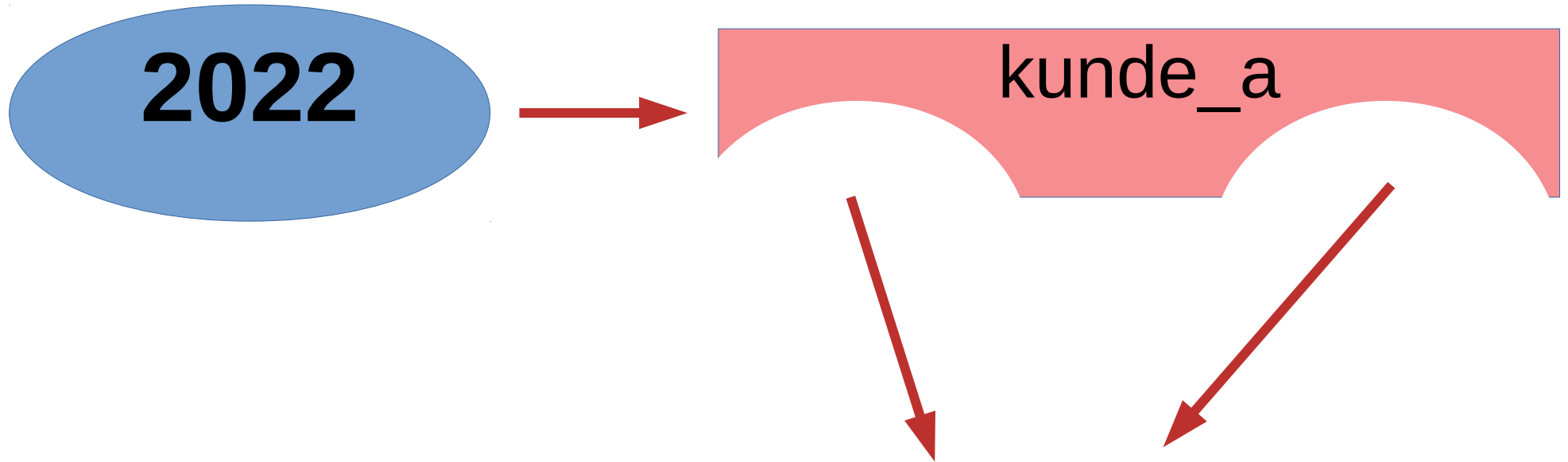


# Intelligent Upgraden



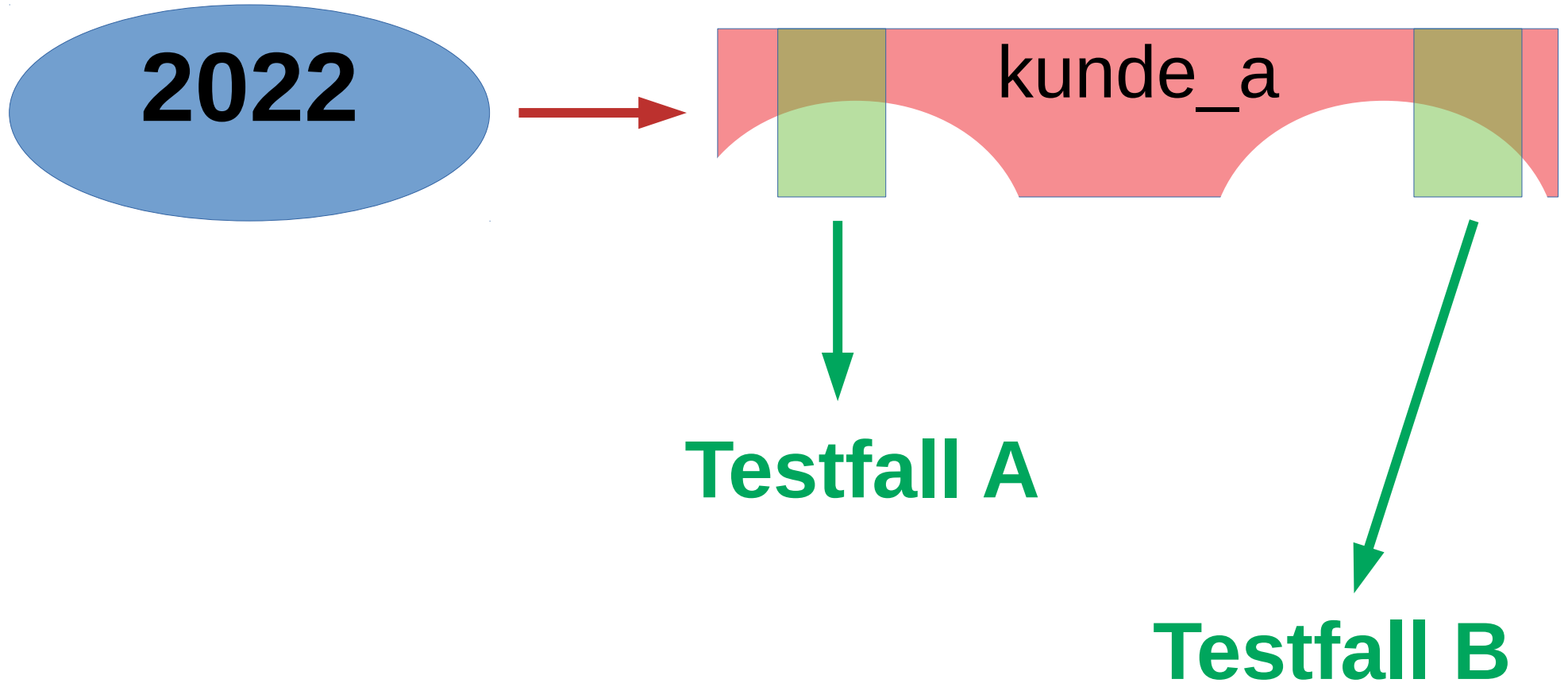


# Testfälle im Kundenzweig!



**Defekt mit 2022 Version**

# Testfälle im Kundenzweig!



# Upgrade-Intervall



**1. 6 Monate**

**2. 1,5 Jahre**

**3. 5 Jahre**

**==> Jährlicher Turnus**

- **Kundenänderung bewußter**
- **Refactoring einfacher (API)**
- **deckt „versteckte“ Bugs auf**

- **Standard in Kundenversion**
- **Kundentestfälle**

# Alles aus einer Hand



2022



kunde\_a

**Team: Stable und Anpassungen**

2022

kunde\_a

**Standard**

**Anpassungen**

# Wie ist Euer Standard?



**2022**

**Standard**

- **Bugtracker**
- **Codestyle**
- **Dokumentation**
- **Workflows**



# Beliebig Anpassen!



**Standard**



**Kunde A**

# Falls OSS und Team OK ...



EUROPA > European Commission > CIRCABC

develop  
it.nrw  
\* master

# Kundenanpassung NRW



NRW > IT.NRW > CIRCABC

```
develop
* it.nrw
master
```

# Nicht nur Features und Fix



```
origin/HEAD -> origin/develop
origin/bugfix/DIGITCIRCABC-4776-search-buttons-not-translated
origin/develop
origin/feature/CIRCABC-SHS-new-Build
origin/feature/DIGITCIRCABC-4577-circabc-acceptance-in-shs
origin/feature/DIGITCIRCABC-4660-docker-weblogic-wlst-api
origin/feature/DIGITCIRCABC-4674-docker-tomcat-mysql
origin/feature/DIGITCIRCABC-4745-maven-dependencies-linked-to-ext
origin/feature/DIGITCIRCABC-4745-new-build-maven
origin/feature/DIGITCIRCABC-4769-update-code-for-oss-compatibility
origin/feature/DIGITCIRCABC-4780-circabc-environment-for-enisa
origin/hotfix_branch_content-store
origin/it.nrw
origin/master
```

# Kundenanpassung ab Werk!



```
origin/HEAD -> origin/develop
origin/bugfix/DIGITCIRCABC-4776-search-buttons-not-translated
origin/develop
origin/feature/CIRCABC-SHS-new-Build
origin/feature/DIGITCIRCABC-4577-circabc-acceptance-in-shs
origin/feature/DIGITCIRCABC-4660-docker-weblogic-wlst-api
origin/feature/DIGITCIRCABC-4674-docker-tomcat-mysql
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origin/feature/DIGITCIRCABC-4769-update-code-for-oss-compatibility
origin/feature/DIGITCIRCABC-4780-circabc-environment-for-enisa
origin/hotfix_branch_content-store
origin/it.nrw
origin/master
```



CIRCABC

NRW > IT.NRW > CIRCABC

# Fragen - git blame ?



# Quellen und Dank

- EC CIRCABC
- David McKee Elmar
- github
- kivitendo Projekt
- Volker Johanning Computerwoche

