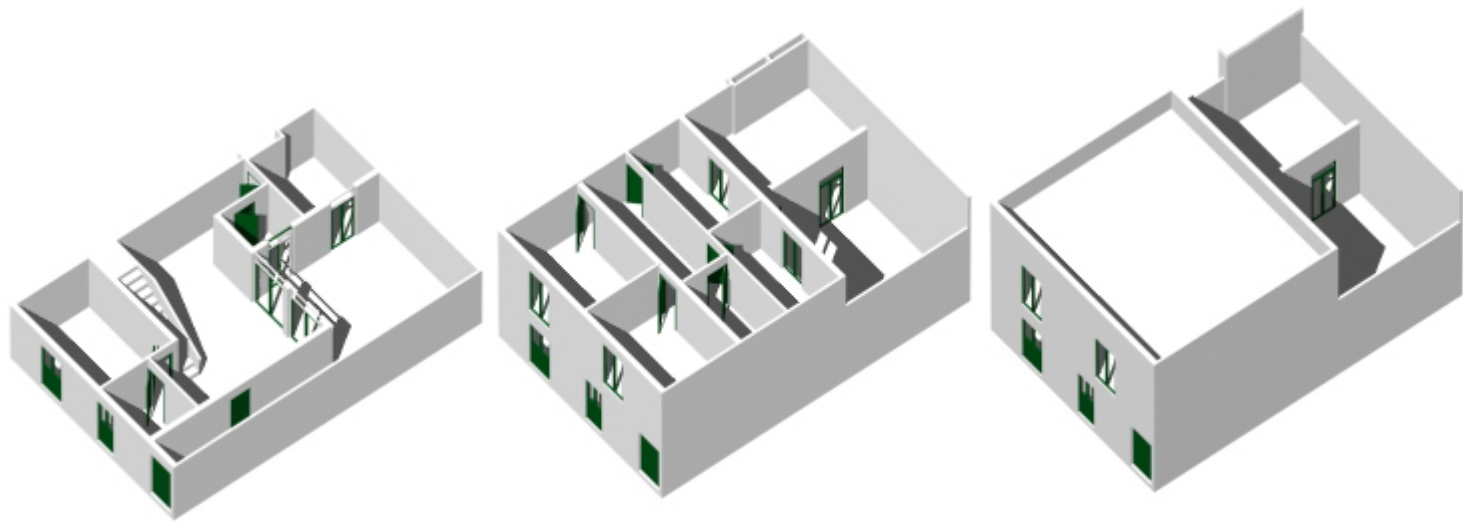


**DCC10 Workshop - Shape Grammar Implementation:  
From Theory to Useable Software**

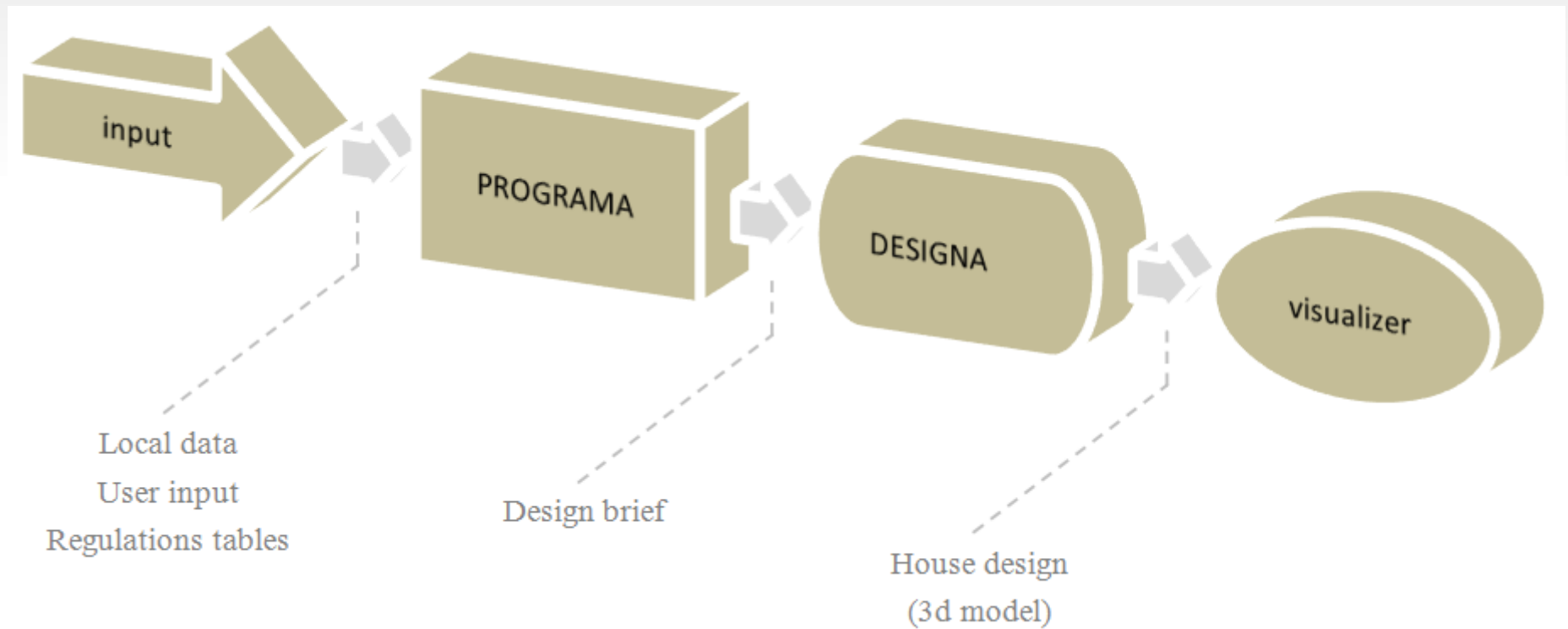
# MALAG

**description & shape grammar implementation**



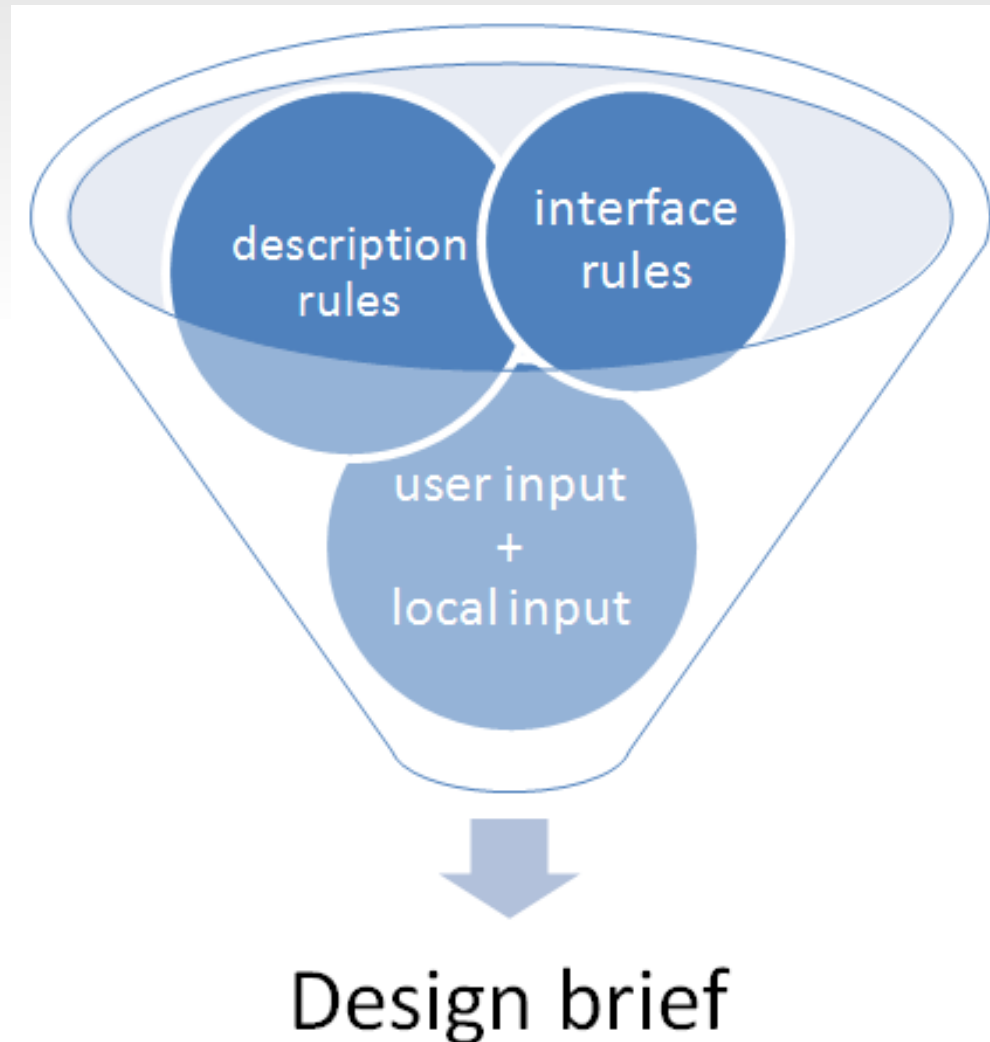
# DCC10 Workshop - Shape Grammar Implementation: From Theory to Useable Software

## MALAG Architecture



# DCC10 Workshop - Shape Grammar Implementation: From Theory to Useable Software

## Programa Architecture



# **DCC10 Workshop - Shape Grammar Implementation: From Theory to Useable Software**

**PROGRAMA – demo**

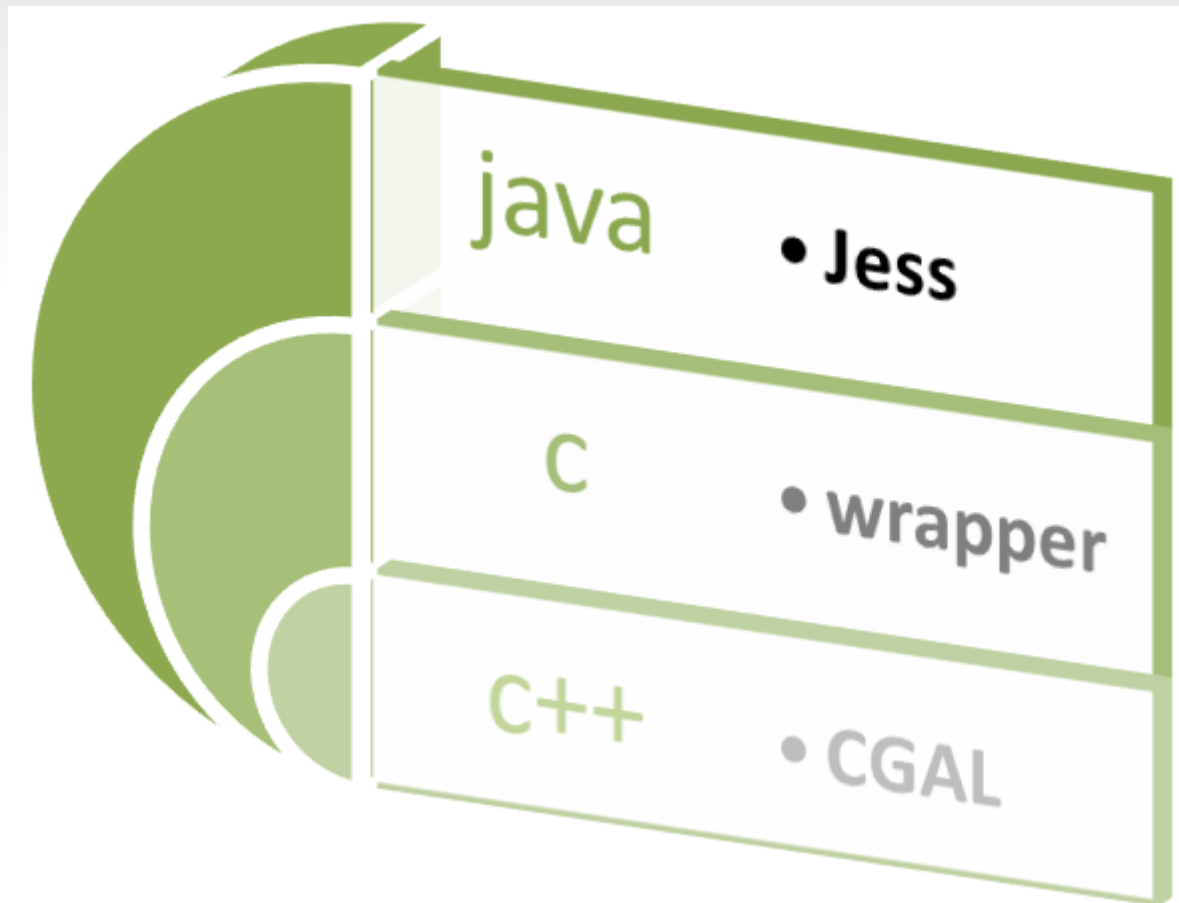
# **DCC10 Workshop - Shape Grammar Implementation: From Theory to Useable Software**

## **Shape Grammars implementations:**

- Visual**
- Symbolic**
- Set Grammars**

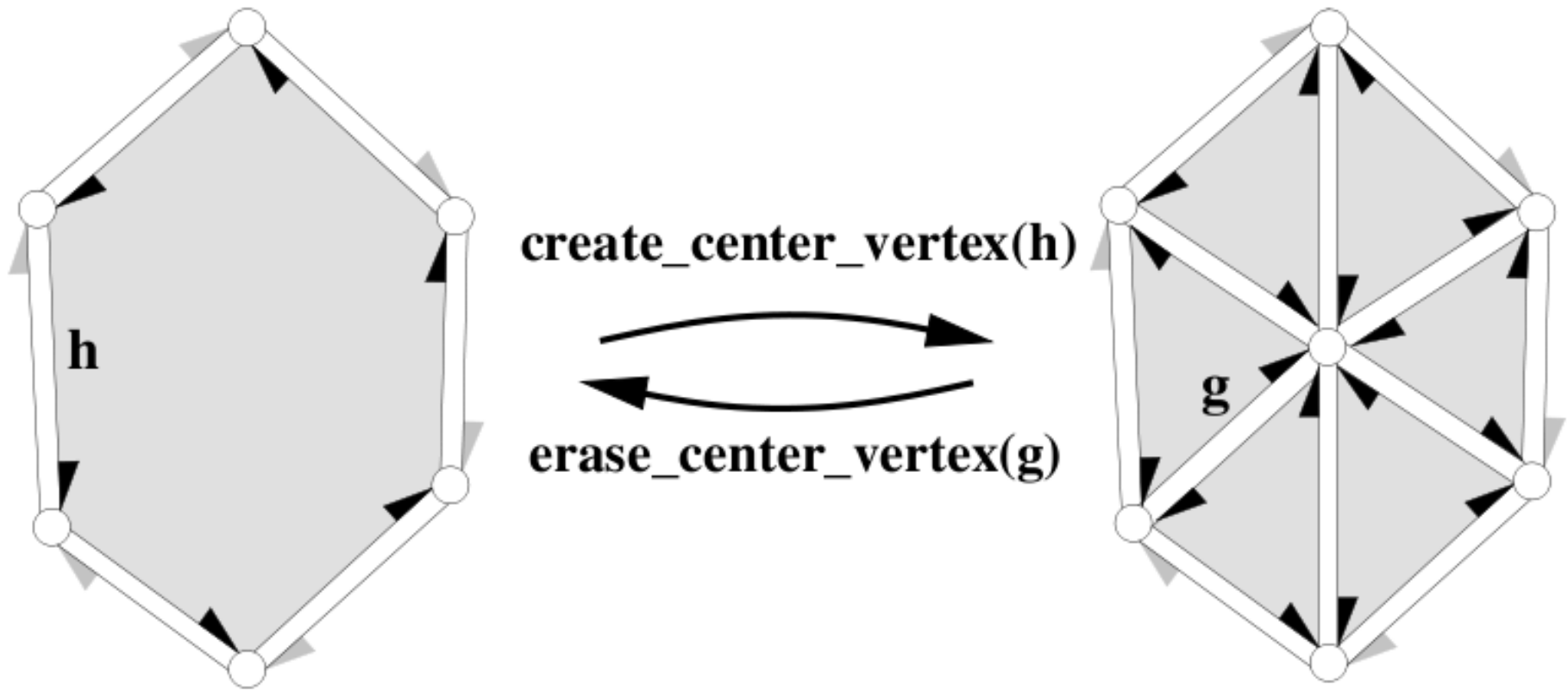
# DCC10 Workshop - Shape Grammar Implementation: From Theory to Useable Software

## DESIGNA Architecture



# DCC10 Workshop - Shape Grammar Implementation: From Theory to Useable Software

## DESIGNA – Why CGAL?



# DCC10 Workshop - Shape Grammar Implementation: From Theory to Useable Software

## DESIGNA – Why CGAL?

**IF** exists a face **THEN**  
create a center vertex

```
(defrule rule-1  
  (face ?f)  
  =>  
  (create-center-vertex ?f))
```



# **DCC10 Workshop - Shape Grammar Implementation: From Theory to Useable Software**

**DESIGNA – prototype demo**

# **DCC10 Workshop - Shape Grammar Implementation: From Theory to Useable Software**

**Questions?**