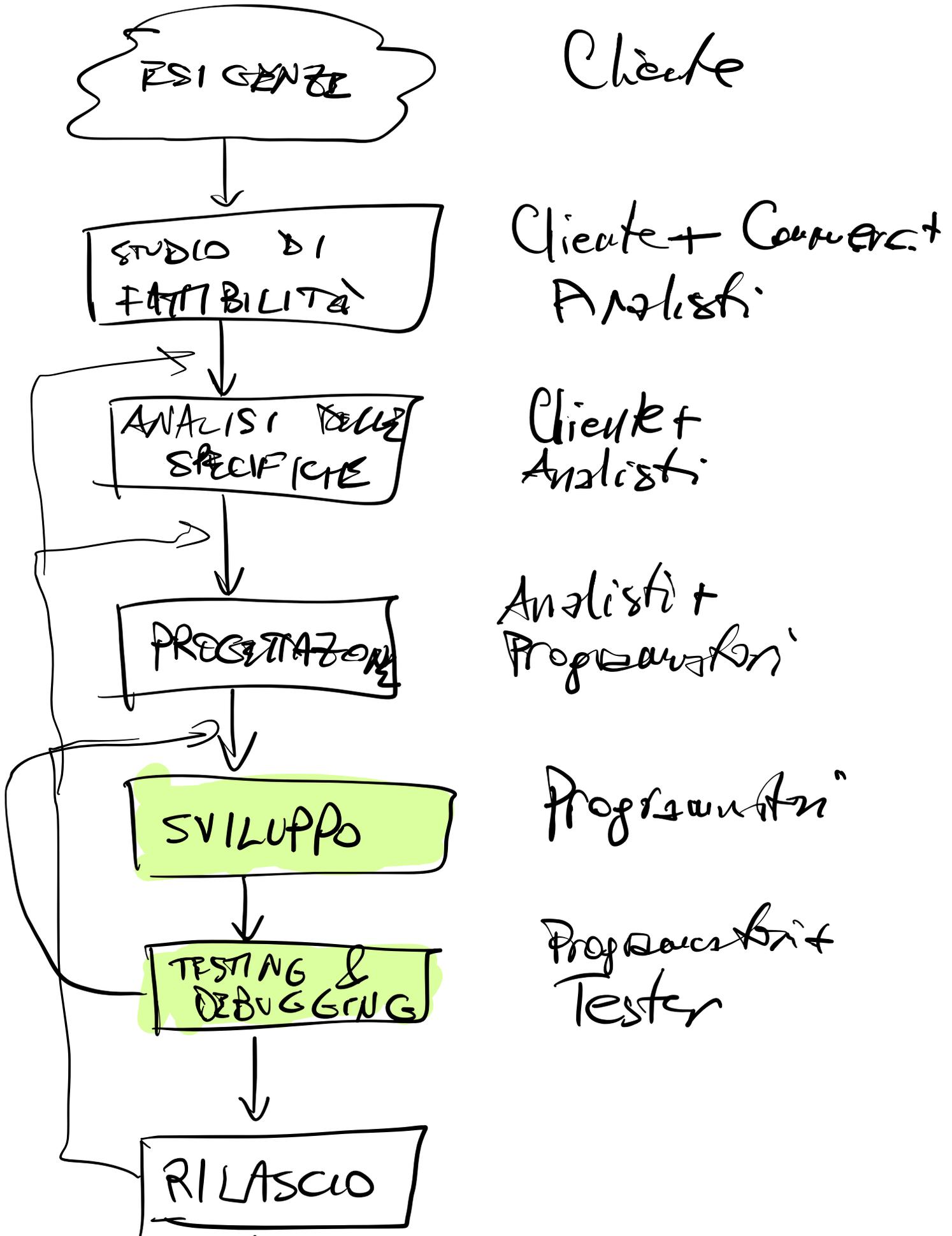


MODELLO A CASCATA



↓
MAINTENANCE

LANGUAGE 1

- TRADISIONAL (IMPERATIF,
PROCEDURAL --)

COBOL, FORTRAN, C, Pascal,
... , Go

- LING. FUNSIONAL

ML, Haskell, C++ , ...

- LING. LOGIC O DEKLARATIF

Prolog, SQL, ...

- LING. ORIENTAN ARI
O OBT

Java, C++, C#

IL PRIMO PROGRAMMA GO

hello.go

```
package main
```

```
import "fmt"
```

```
func main() {
```

```
    var n, i int
```

```
    fmt.Print("Quante volte vuoi  
    essere salutato, padrone?")
```

```
    fmt.Scan(&n)
```

```
    for i = 0; i < n; i++ {
```

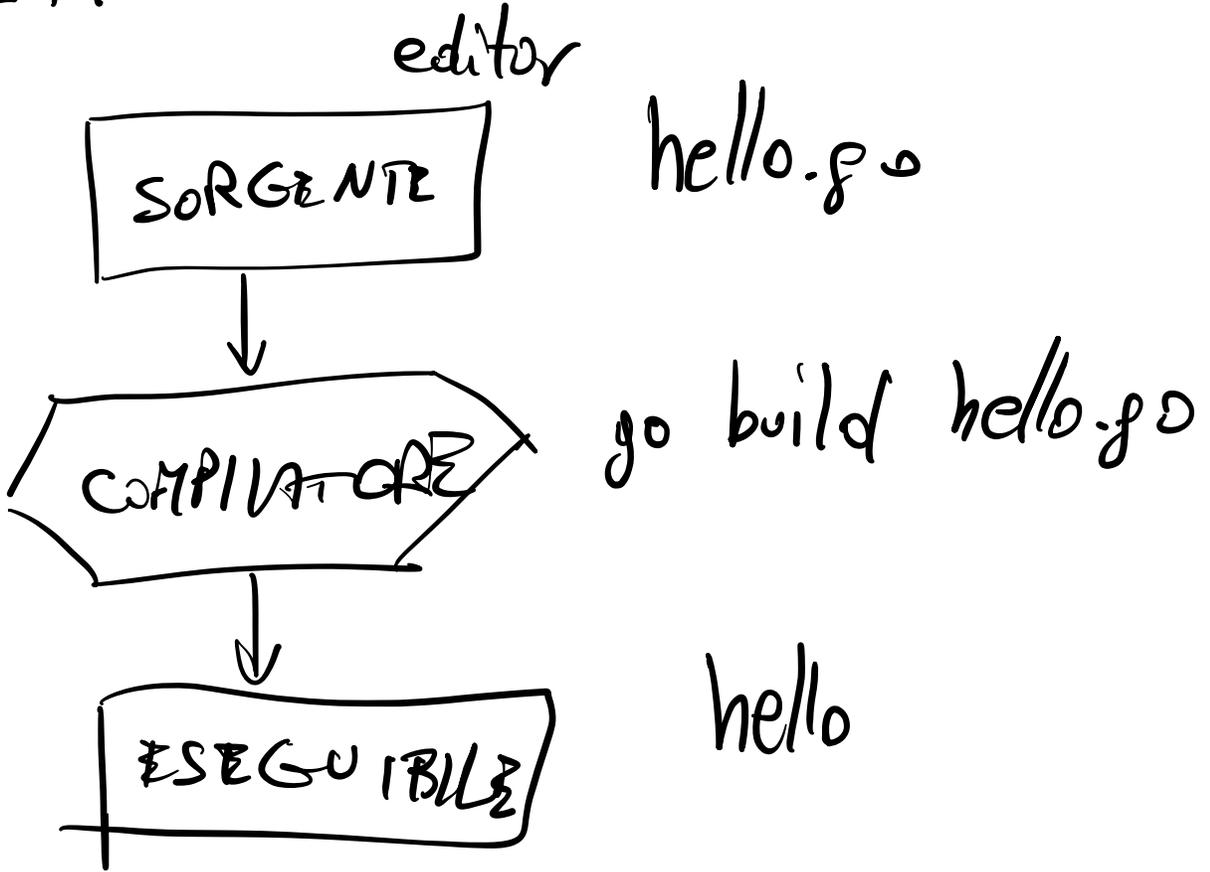
```
        fmt.Println("Ciao")
```

```
    }
```

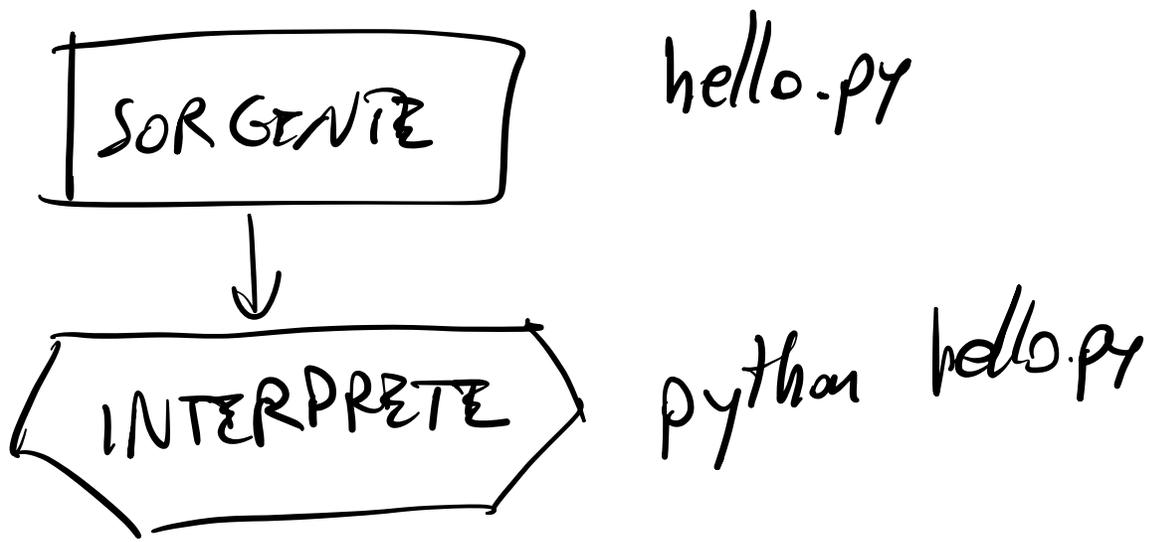
```
}
```

TRADUZIONE

- COMPILATORI



- INTERPRETE



IDE = Integrated
Development
Environment

Go = Storie

- 2007

Gregor

(Java VM)

Pike

(Unix)

Thompson

(Unix, C, UTF-8)

- 2009 = Lancia

COMMAND 1

```
$> go build hello.go
```

```
$> ./hello [.exe]
```

Quante volte lo devo salutare,
patrone? 3 ↵

Ciao

Ciao

Ciao

```
$> go run hello.go
```

```
$> go doc fmt.Print
```

```
$> go help
```

```
$> go fmt hello.go
```

LINGUAGGIO DI PROGRAMMAZIONE

