

"One Year of Haxe"

- ✓ We got momentum !
- ✓ We got NME!
- We got a new haxe.org website!
- We got many improvements !
- ... we still have a long way to go

Plan B



Time for **2.09**!

- Now available on haxe.org!
- ✓ Includes "Compilation Server"

```
haxe -v --wait 880
haxe --connect 880 myproject.hxml
```

- ✓ compilation time x2-x3
- ✓ completion time x₁o !!!
- ready for future usages !

Optional Structure Fields

```
typedef Field = {
  name : String,
  ?type : String,
}

function foo( f : Field ) { .... }
foo({ name : "bar" });
```

JSON Fields Notation

```
var x = {
    "hello" : "World",
    "$cmd" : "PUSH",
};
```

New D−C−E :

haxe --dead-code-elimination

Reduce a lot code size

No compiler cache

Smart Array Inference :

```
var a : Array<BaseClass> = [
   new MySubClass1(),
   new MySubClass2(),
];
```

- More standard libs !
- haxe.Utf8
 - manipulate all strings as UTF8
- haxe.Json
 - ✓ use native in JS(auto-detec) / Flash11+
 - can force Haxe std impl. with -D haxeJSON

Reflect.getProperty / setProperty

```
class MyClass {
   public var x(getX,setX) : Int;
   ...
}
var inst = new MyClass();
Reflect.getField(inst,"x");
Reflect.getProperty(inst,"x");
```

- new sys.io and sys.net packages
 - File, Process, Host, Socket...
- new Sys and sys. FileSystem classes
 - print, args, env, cwd, command, stdin/out/err...
- Ready for Haxe 3 transition
 - ✓ using -D haxe3

- Javascript Improves !
- Source mapping with -debug
- ✓ Modern mode with --js-modern
 - "use strict";
 - (function() {})() wrapper
 - ✓ Global exposure with @:expose

- Flash 11.2 and 11.3 beta api
- Support for binary files :

```
@:file("myfile.dat")
class MyFile extends ByteArray {
}
```

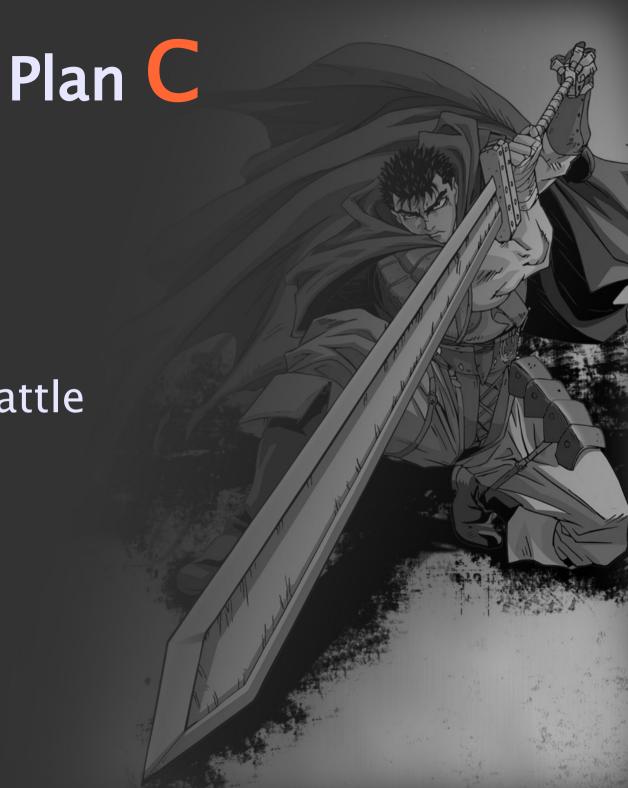
And sounds :

```
@:sound("mysound.wav")
class MySound extends Sound {
}
```

'flash9' dir becomes 'flash'

And much more....

- many fixes for cpp,php,macros
- SPOD 'in' operator, by-relation searchs, SQLite
- Type.allEnums
- more JQuery
- haxe.web.Request for neko/php/js
- opt. args in function type (?Int -> Void)
- ✓ \uXXXX in regexp



✓ Plan for Battle

Major release == allow breaks

(unless it's smart to avoid)

Guidelines :

- simplify, avoid feature-bloating
- make it easy(ier) for crossplaform

(both users AND compiler contributors)

- What to consider when adding a feature ?
 - Well-defined behavior
 - Strictly typed
 - Can be efficiently emulated on all platforms
 - Good Usefulness / Complexity ratio

(especially when it creates syntax)

String interpolation :

```
var p = new User();
"$p is ${p.getAge()} old"
```

- now available with Std.format
- will become the default for all Strings

Simplify properties :

```
class MyClass {
  var prop(get, set) : Int;
}
```

- Standardized get_prop/set_prop functions
 - (greatly simplify reflection)
- _prop/get_prop/set_prop automagically created
- no _prop when getter is default

Import improvements :

```
import my.pack.*; // package
import js.JQuery.*; // statics
import haxe.Log.trace; // single
```

- Allow a DefaultImports.hx
 - can also exists in libs: NmeImports.hx
- using will imply import

Replacement for callback:

```
onClick = callback(clickElement,e);
become:
onClick = clickElement(e,_);
can also be:
onClick = clickElement(,e);
```

```
More switch :
```

```
switch( getEnumValue() ) {
case A(x) if( x > 0 ):
case A(-1):
case B(C("hello"), false):
default(e):
}
```

Evolving the language is nice,

but that's not all...

✓ New targets !

@cwaneck Java/C#

More libs / tools

IntelliJ, NME 3+, new haxelib?

CONTRIBUTE!

haXe becomes Haxe

Plan D

And after 3.0 ?



Do we need MORE features ?

- maybe, but...
- with time: more libs, less language changes
- let's think of Haxe globally

- Long-term vision :
 - One single language
 - ALL mainstream platforms
 - ALL major IDE
 - Complete set of Tools
 - Complete Manual / Docs

- 🗸 Keep it open !
 - Open Source
 - Free
 - Community-based
- Still allow for companies involvement
 - Marketing IS necessary here
 - Requires more centralized process

The Haxe Foundation !

- NonProfit
- Open to individuals
- Open to companies
- Haxe Design still a Dictatorship

