

ImpactCategory

```
+ Name : string  
+ Unit : string  
  
# Initialise() : void
```

ImpactQuantity

```
+ Category : ImpactCategory  
+ DynamicProperty : DynamicProperty  
+ Quantities : TimestampedList  
  
# Initialise() : void
```

LCIAMethod

```
+ Name : string  
+ Categories : List<ImpactCategory>  
  
# Initialise() : void
```

UnitProcess

```
+ Name : string  
+ Method : LCIAMethod  
+ ImpactQuantities : ImpactQuantity[]  
+ Usages : TimestampedList  
+ GeneralDynamicProperty : DynamicProperty  
  
# Initialise() : void
```

BackgroundSystem

```
+ Name : string  
+ GeneralDynamicProperty : DynamicProperty  
+ UnitProcesses : List<UnitProcess>  
+ Method : LCIAMethod  
  
# Initialise() : void
```

BackgroundSystemTuple

```
+ BackgroundSystem : BackgroundSystem  
+ DynamicProperty : DynamicProperty  
+ Usages : TimestampedList  
  
# Initialise() : void
```

LCIModel

```
+ SelectedMethod : LCIAMethod  
+ Methods : List<LCIAMethod>  
+ BackgroundSystems : List<BackgroundSystem>  
+ ForegroundSystems : List<ForegroundSystem>  
+ DataDir : string
```

```
# Initialise() : void  
+ ForegroundSystemCount() : Integer  
+ AddForegroundSystem(ForegroundSystem) : void  
+ RemoveForegroundSystem(ForegroundSystem) : void  
+ GetForegroundSystems(LCIAMethod) : ForegroundSystem[]  
+ GetForegroundSystem(string, LCIAMethod) : ForegroundSystem  
+ BackgroundSystemCount() : Integer  
+ AddBackgroundSystem(BackgroundSystem) : void  
+ RemoveBackgroundSystem(BackgroundSystem) : void  
+ GetBackgroundSystems(LCIAMethod) : BackgroundSystem[]  
+ GetBackgroundSystem(string, LCIAMethod) : BackgroundSystem  
+ MethodCount() : Integer  
+ AddMethod(LCIAMethod) : void  
+ RemoveMethod(LCIAMethod) : void  
+ GetMethods() : LCIAMethod[]  
+ GetMethod(string) : LCIAMethod  
+ VerifySelectedMethod(List<ImpactQuantity>) : boolean  
+ LoadDataFromHarddisk(string) : void  
+ SaveToHarddisk(string) : void
```

ForegroundSystem

```
+ Name : string  
+ Method : LCIAMethod  
+ UnitProcesses : List<UnitProcess>  
+ GeneralDynamicProperty : DynamicProperty  
+ CategoryDynamicProperties : DynamicProperty[]  
+ BackgroundSystemTuples : List<BackgroundSystemTuple>
```

```
# Initialise() : void  
+ AddBackgroundsystem(BackgroundSystem) : void  
+ RemoveBackgroundSystem(BackgroundSystem) : void
```

DynamicProperty

```
+ FunctionExpressions : List<(double, string, double)>  
- functions : List<(double, Func<double, double, double>,  
double)>
```

```
# Initialise() : void  
+ Identity() : Func<double, double, double>  
+ SetFunctionExpressions(List<(double, string, double)>) : void  
+ CheckFunctionExpression(string) : boolean  
+ AddFunctionExpression(double, string, double) : void  
- CheckFunctionInterval(double, double) : void  
+ PopulatePiecewiseFunction() : void  
+ ValueAt(double, double) : double
```